

# Converting Colors

XYZ(79.6818, 84.2860, 91.4018)

Have a look what the booklet for  
XYZ(79.6818, 84.2860, 91.4018)  
contains.

<b>XYZ(79.6855, 84.2867, 91.4260)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(79.6855, 84.2867,  
91.4260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBEDEC
RGB	235, 237, 236
RGB Percent	92%, 93%, 93%
CMY	0.0784, 0.0706, 0.0745
CMYK	0.01, 0.00, 0.00, 0.07
HSL	150°, 5%, 93%
HSV	150°, 1%, 93%
XYZ	79.6855, 84.2867, 91.4260
YIQ	236.2880, -0.8710, -0.7350

# Conversions

## Conversions Part 2

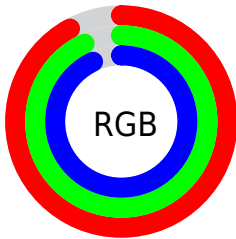
Format	Color
<a href="#">RYB</a>	<a href="#">235, 236, 237</a>
Decimal	<a href="#">15461868</a>
CIELab	<a href="#">93.57, -0.84, 0.24</a>
CIELCh	<a href="#">94, 0.873, 164.109</a>
Yxy	<a href="#">84.2867, 0.3120, 0.3300</a>
Android (android.graphics.Color)	<a href="#">4293651948</a> ( <a href="#">0xFFEBEDEC</a> )
YUV	<a href="#">236.2880, -0.1420, -1.1296</a>
Hunter-Lab	<a href="#">91.8078, -5.7327, 5.2220</a>

# Details

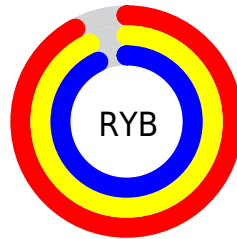
The XYZ color **79.6855, 84.2867, 91.4260** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.7769, 83.4796, 91.2696**, and the grayscale version is **79.9530, 84.1168, 91.6032**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.3525, 45.9267, 49.7598** is the 20% darker color. If you saturate the color by 10%, you get **70.7081, 79.8538, 82.2990**, and if you desaturate by 10%, it is **88.4497, 88.6012, 101.1452**.

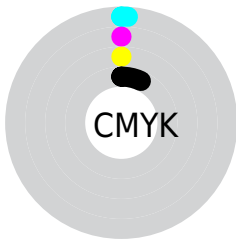
# Distribution



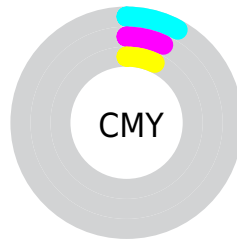
- Red (92%)
- Green (93%)
- Blue (93%)



- Red (92%)
- Yellow (93%)
- Blue (93%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6855, 84.2867, 91.4260 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.6855, 84.2867, 91.4260 by changing the saturation by 10% instead.



■ 79.6855, 84.2867,  
91.4260

■ 79.6855, 84.2867,  
91.4260

482.6250,  
509.2648, 553.3481

■ 59.7672, 63.2522,  
68.5836

131.8763,  
139.3762, 151.2704

■ 43.4797, 46.0452,  
49.9030

164.8795,  
174.1999, 189.1094

■ 30.4579, 32.2815,  
34.9657

202.9750,  
214.3888, 232.7845

■ 20.3362, 21.5766,  
23.3531

246.5282,  
260.3272, 282.7140

■ 12.7493, 13.5461,  
14.6467

295.9045,  
312.3997, 339.3166

■ 7.3320, 7.8057,  
8.4280

351.4691,

■ 3.7187, 3.9709,

370.9905, 403.0108

4.2783

413.5875,  
436.4841, 474.2151

■ 1.5443, 1.6573,  
1.7792

■ 0.3557, 0.3958,  
0.4142

■ 79.6855, 84.2867,  
91.4260

■ 79.6855, 84.2867,  
91.4260

■ 70.7081, 79.8538,  
82.2990

■ 88.4497, 88.6012,  
101.1452

■ 62.8425, 75.9787,  
73.8096

■ 89.5758, 89.0516,  
107.0753

■ 56.0451, 72.6415,  
65.9453

■ 50.2667, 69.8173,  
58.6918

■ 45.4543, 67.4787,  
52.0339

■ 41.5496, 65.5963,  
45.9555

■ 38.4876, 64.1367,  
40.4402

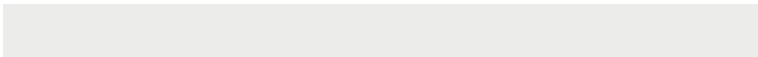
■ 36.1945, 63.0621,  
35.4702

■ 34.5820, 62.3276,  
31.0265

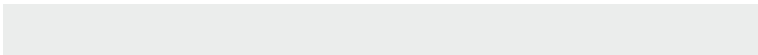
# Harmonies

## Analogous

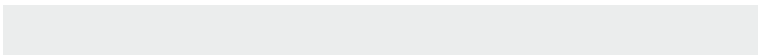
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8032, 84.2867, 90.8635



79.6855, 84.2867, 91.4260



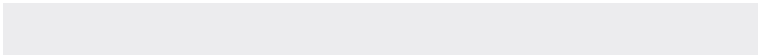
79.6819, 84.2867, 92.0844

# Triad

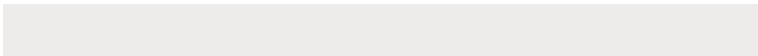
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.6855, 84.2867, 91.4260



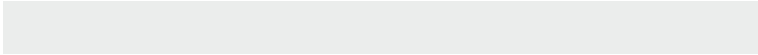
80.2203, 84.2867, 93.0132



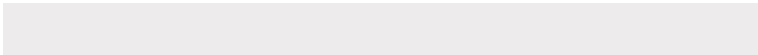
80.4314, 84.2867, 90.8912

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



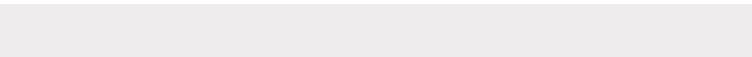
79.6855, 84.2867, 91.4260



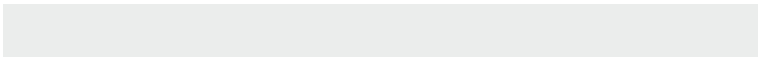
79.7769, 83.4796, 91.2696

# Split Complementary

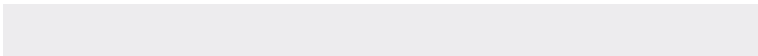
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5436, 84.2867, 91.4641



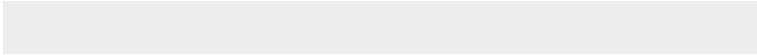
79.6855, 84.2867, 91.4260



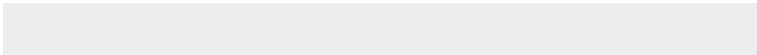
80.4216, 84.2867, 92.6904

# Square

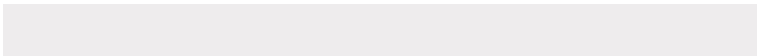
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



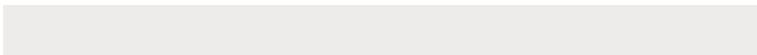
79.6855, 84.2867, 91.4260



79.9904, 84.2867, 93.0029



80.5400, 84.2867, 92.1227

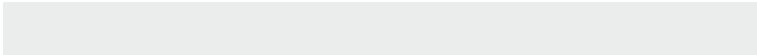


80.2337, 84.2867, 90.5557

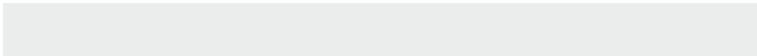


# Rectangle

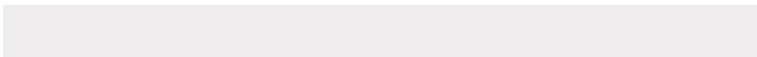
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



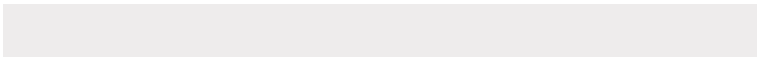
79.6855, 84.2867, 91.4260



79.7447, 84.2867, 92.4892



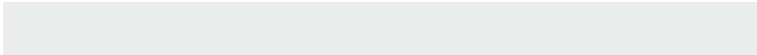
80.5400, 84.2867, 92.1227



80.4803, 84.2867, 91.0623

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.6879, 84.2903, 91.4278

95.0500, 100.0000, 108.9000



79.8858, 84.4091, 90.6807



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

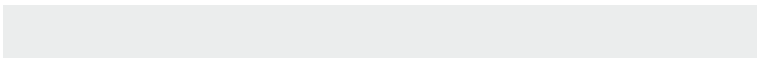
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6879, 84.2903, 91.4278



93.9130, 99.4376, 107.7768



79.8293, 84.3469, 92.1726



16.8097, 17.7919, 19.2893



18.3944, 33.8122, 15.3081



1.4930, 2.6745, 1.4577



# Inverse Universe

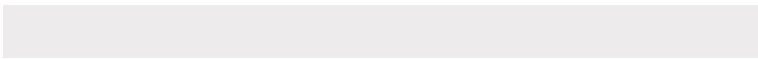
The Inverse Universe completely reimagines the original color for something new.



79.7769, 83.4796, 91.2696



94.0377, 98.3021, 107.5552



79.6362, 83.4233, 90.5288



16.8307, 17.6005, 19.2519



20.9432, 10.5800, 10.7681

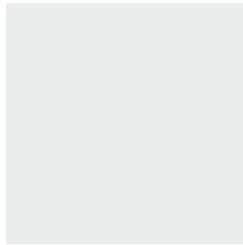


1.6931, 0.8502, 1.1013



# Previews

## White Background



This preview shows how the XYZ color 79.6855, 84.2867, 91.4260 looks on a white background.

## Color Contrast Check

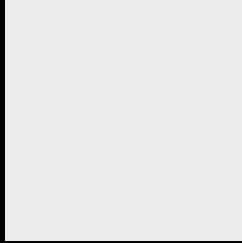
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 79.6855, 84.2867, 91.4260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

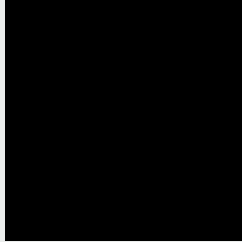
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

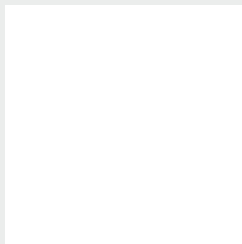


**XYZ 79.6855, 84.2867, 91.4260**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.6855, 84.2867, 91.4260.



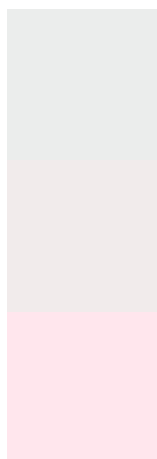
This preview shows how white text looks on a background with the XYZ color 79.6855, 84.2867,

91.4260.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

79.6855, 84.2867, 91.4260

### Protanopia

80.9794, 84.1156, 90.5651

### Deuteranopia

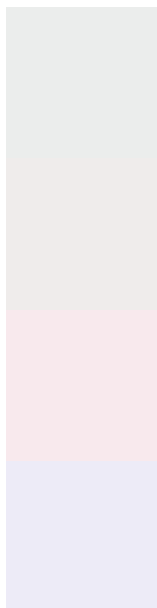
84.8229, 83.9681, 91.8576



## Tritanopia

82.4123, 84.1146, 104.8207

# Trichromacy



## Original Color

79.6855, 84.2867, 91.4260

## Protanomaly

80.5875, 84.3398, 90.6291

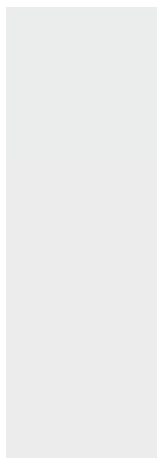
## Deuteranomaly

83.1364, 84.3487, 92.0199

## Tritanomaly

81.4219, 84.1366, 99.9443

# Monochromacy



## Original Color

79.6855, 84.2867, 91.4260

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.7278, 83.8799, 91.3452

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6855, 84.2867, 91.4260 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(235, 237, 236) looks like.

```
.text, #text, p{  
    color:rgb(235, 237, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 237, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 237, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6855, 84.2867, 91.4260 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 237, 236) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 237, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 237, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 237, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 237, 236);  
box-shadow:4px 4px 4px 4px rgb(235, 237,  
236) }
```



# Background

The CSS property to change the background color of an element to XYZ 79.6855, 84.2867, 91.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 237, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
237, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor