

# Converting Colors

XYZ(79.6583, 85.4814, 91.8551)

Have a look what the booklet for  
XYZ(79.6583, 85.4814, 91.8551)  
contains.

<b>XYZ(79.5791, 85.5321, 91.6720)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(79.5791, 85.5321,  
91.6720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F0EC
RGB	232, 240, 236
RGB Percent	91%, 94%, 93%
CMY	0.0902, 0.0588, 0.0745
CMYK	0.03, 0.00, 0.02, 0.06
HSL	150°, 21%, 93%
HSV	150°, 3%, 94%
XYZ	79.5791, 85.5321, 91.6720
YIQ	237.1520, -3.4840, -2.9400

# Conversions

## Conversions Part 2

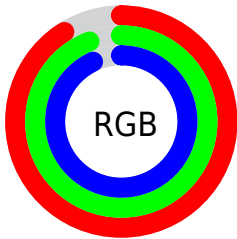
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 237, 240
Decimal	15266028
CIE <sub>Lab</sub>	94.11, -3.36, 1.00
CIE <sub>LCh</sub>	94, 3.509, 163.511
Yxy	85.5321, 0.3099, 0.3331
Android (android.graphics.Color)	4293456108 (0xFFE8F0EC)
<b>YUV</b>	237.1520, -0.5679, -4.5183
Hunter-Lab	92.4836, -8.2528, 5.9688

# Details

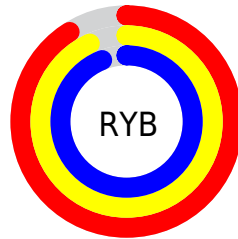
The XYZ color **79.5791, 85.5321, 91.6720** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.9352, 82.2968, 91.0328**, and the grayscale version is **80.6215, 84.8201, 92.3691**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2832, 46.8064, 49.9333** is the 20% darker color. If you saturate the color by 10%, you get **70.6284, 81.1151, 82.4525**, and if you desaturate by 10%, it is **89.3462, 90.3612, 101.5454**.

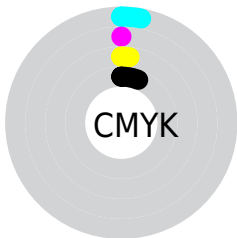
# Distribution



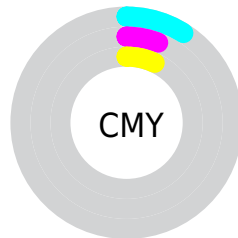
- Red (91%)
- Green (94%)
- Blue (93%)



- Red (91%)
- Yellow (93%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.5791, 85.5321, 91.6720 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 79.5791, 85.5321, 91.6720 by changing the saturation by 10% instead.



■ 79.5791, 85.5321,  
91.6720

■ 79.5791, 85.5321,  
91.6720

482.2714,  
513.3871, 554.1647

■ 59.6793, 64.2811,  
68.7867

131.7274,  
141.1164, 151.6145

■ 43.4087, 46.8784,  
50.0674

164.7067,  
176.2184, 189.5087

■ 30.4018, 32.9395,  
35.0954

202.7766,  
216.7064, 233.2430

■ 20.2934, 22.0801,  
23.4522

246.3023,  
262.9645, 283.2360

■ 12.7180, 13.9158,  
14.7193

295.6493,  
315.3772, 339.9061

■ 7.3103, 8.0621,  
8.4782

351.1829,

■ 3.7049, 4.1347,

374.3290, 403.6719

4.3103

413.2685,  
440.2041, 474.9519

■ 1.5366, 1.7492,  
1.7971

■ 0.3505, 0.4552,  
0.4260

■ 79.5791, 85.5321,  
91.6720

■ 79.5791, 85.5321,  
91.6720

■ 70.6284, 81.1151,  
82.4525

■ 89.3462, 90.3612,  
101.5454

■ 62.8114, 77.2668,  
73.8845

■ 90.4517, 90.8035,  
107.3672

■ 56.0824, 73.9664,  
65.9553

■ 50.3898, 71.1876,  
58.6498

■ 45.6775, 68.9017,  
51.9523

■ 41.8840, 67.0772,  
45.8463

■ 38.9403, 65.6791,  
40.3144

■ 36.7671, 64.6667,  
35.3381

■ 35.2684, 63.9908,  
30.8976

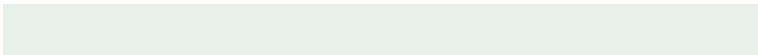
# Harmonies

## Analogous

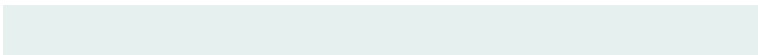
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0607, 85.5321, 89.4350



79.5791, 85.5321, 91.6720



79.5552, 85.5321, 94.3415

# Triad

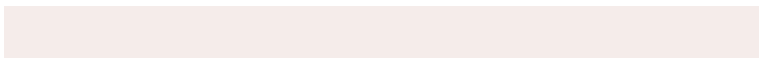
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.5791, 85.5321, 91.6720



81.7177, 85.5321, 98.2414



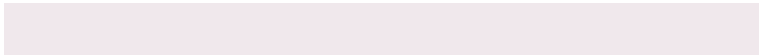
82.6103, 85.5321, 89.6199

# Complementary

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



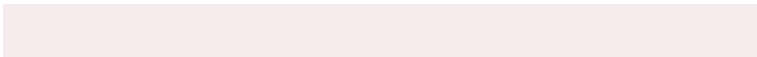
79.5791, 85.5321, 91.6720



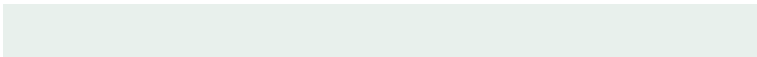
79.9352, 82.2968, 91.0328

# 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.



83.0614, 85.5321, 91.9287



79.5791, 85.5321, 91.6720



82.5434, 85.5321, 96.9252

# Square

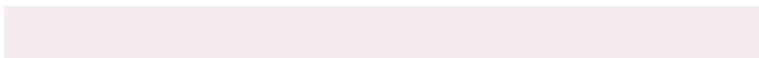
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



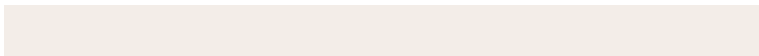
79.5791, 85.5321, 91.6720



80.7850, 85.5321, 98.1694



83.0368, 85.5321, 94.6032



81.8085, 85.5321, 88.2659



# Rectangle

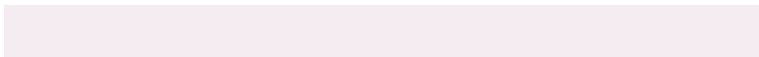
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



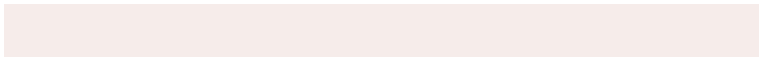
79.5791, 85.5321, 91.6720



79.8017, 85.5321, 96.0099



83.0368, 85.5321, 94.6032



82.8083, 85.5321, 90.3081

# Sweetspot

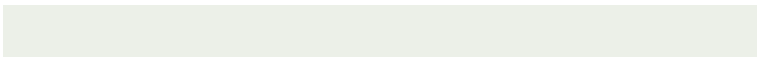
The Sweet Spot groups the original color and five complimentary colors.



79.5815, 85.5358, 91.6739



93.9133, 99.4377, 107.7783



80.3650, 86.0061, 88.7102



20.1133, 21.2897, 23.0809



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

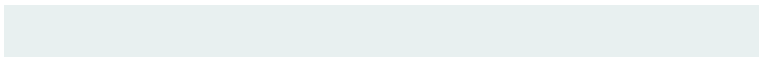
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.5815, 85.5358, 91.6739



90.5857, 97.7922, 104.4598



80.1501, 85.7632, 94.6681



16.8216, 18.2456, 19.4193



18.9787, 34.8835, 15.8029



1.6291, 2.9221, 1.5791



# Inverse Universe

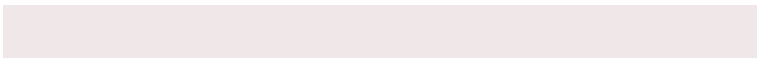
The Inverse Universe completely reimagines the original color for something new.



79.9352, 82.2968, 91.0328



91.0719, 93.3399, 103.5786



79.3788, 82.0742, 88.1026



16.9286, 17.2658, 19.2254



21.5963, 10.9110, 11.0567

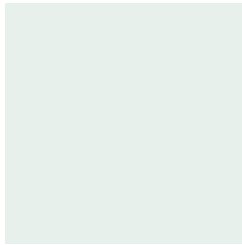


1.8468, 0.9278, 1.1843



# Previews

## White Background



This preview shows how the XYZ color 79.5791, 85.5321, 91.6720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

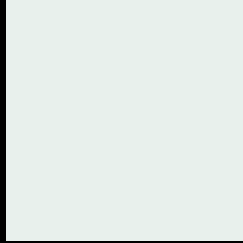
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.5791, 85.5321, 91.6720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

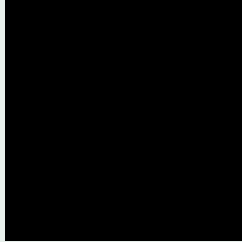
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

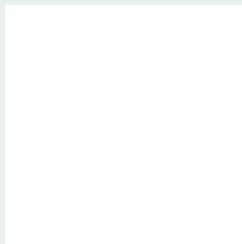
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.5791, 85.5321, 91.6720

## Background



This preview shows how black text looks on a background with the XYZ color 79.5791, 85.5321, 91.6720.



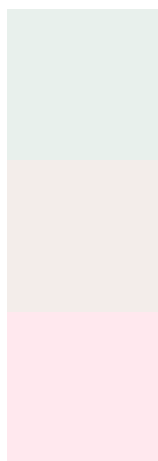
This preview shows how white text looks on a background with the XYZ color 79.5791, 85.5321, 91.6720.

91.6720.

# 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

79.5791, 85.5321, 91.6720

### Protanopia

82.0976, 85.5636, 90.0303

### Deuteranopia

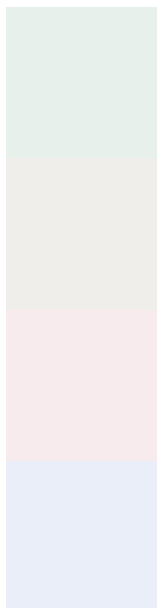
85.5292, 85.1463, 92.8159



## **Tritanopia**

82.5951, 85.4505, 106.7481

# Trichromacy



## Original Color

79.5791, 85.5321, 91.6720

## Protanomaly

81.1665, 85.4980, 90.8221

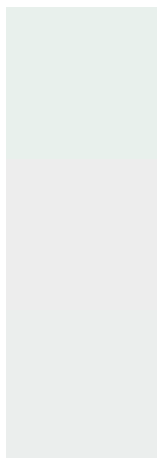
## Deuteranomaly

83.3522, 85.3052, 92.1932

## Tritanomaly

81.4495, 85.4188, 101.0016

# Monochromacy



## Original Color

79.5791, 85.5321, 91.6720

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.1215, 84.9257, 92.2902

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.5791, 85.5321, 91.6720 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(232, 240, 236) looks like.

```
.text, #text, p{  
    color:rgb(232, 240, 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(232, 240, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 240, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 79.5791, 85.5321, 91.6720 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(232, 240, 236) }
```



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

```
.border{ border-color:rgb(232, 240, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 240, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 240, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 240, 236);  
box-shadow:4px 4px 4px 4px rgb(232, 240,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.5791, 85.5321, 91.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 240, 236) }
```

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

```
.background{ background-color: rgb(232,  
240, 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](#).

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