

# Converting Colors

XYZ(79.7964, 83.9762, 82.6994)

Have a look what the booklet for  
XYZ(79.7964, 83.9762, 82.6994)  
contains.

<b>XYZ(79.7256, 84.0735, 82.5468)</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(79.7256, 84.0735,  
82.5468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1ECE0
RGB	241, 236, 224
RGB Percent	95%, 93%, 88%
CMY	0.0549, 0.0745, 0.1216
CMYK	0.00, 0.02, 0.07, 0.05
HSL	42°, 38%, 91%
HSV	42°, 7%, 95%
XYZ	79.7256, 84.0735, 82.5468
YIQ	236.1270, 6.8320, -2.6720

# Conversions

## Conversions Part 2

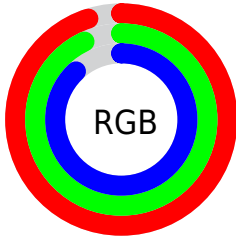
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 241, 224
Decimal	15854816
CIE Lab	93.48, -0.36, 6.40
CIE LCh	93, 6.407, 93.239
Yxy	84.0735, 0.3236, 0.3413
Android (android.graphics.Color)	4294044896 (0xFFFF1ECE0)
YUV	236.1270, -5.9786, 4.2736
Hunter-Lab	91.6916, -5.2550, 10.8074

# Details

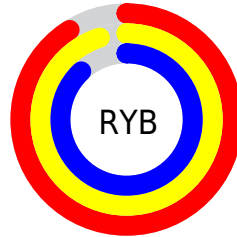
The XYZ color **79.7256, 84.0735, 82.5468** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.6368, 78.2354, 94.3871**, and the grayscale version is **79.8687, 84.0281, 91.5066**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4903, 45.8214, 44.0883** is the 20% darker color. If you saturate the color by 10%, you get **74.6881, 78.8631, 65.8689**, and if you desaturate by 10%, it is **85.3119, 89.6382, 101.6953**.

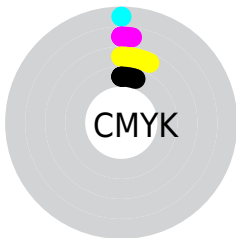
# Distribution



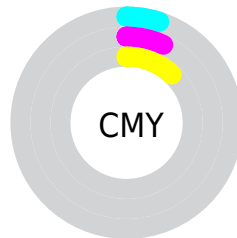
- Red (95%)
- Green (93%)
- Blue (88%)



- Red (91%)
- Yellow (95%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7256, 84.0735, 82.5468 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 79.7256, 84.0735, 82.5468 by changing the saturation by 10% instead.



79.7256, 84.0735,  
82.5468

79.7256, 84.0735,  
82.5468

482.7582,  
508.5573, 523.4063

59.8003, 63.0761,  
61.2779

131.9324,  
139.0780, 138.7841

43.5065, 45.9028,  
44.0175

164.9446,  
173.8539, 174.5896

30.4790, 32.1691,  
30.3470

203.0498,  
213.9914, 216.0777

20.3523, 21.4907,  
19.8478

246.6134,  
259.8750, 263.6669

12.7611, 13.4832,  
12.1015

296.0006,  
311.8889, 317.7759

7.3401, 7.7621,  
6.6894

351.5770,

3.7239, 3.9431,

370.4177, 378.8230

3.1932

413.7077,  
435.8457, 447.2270

■ 1.5472, 1.6418,  
1.1941

■ 0.3576, 0.3855,  
0.0000

■ 79.7256, 84.0735,  
82.5468

■ 79.7256, 84.0735,  
82.5468

■ 74.6881, 78.8631,  
65.8689

■ 85.3119, 89.6382,  
101.6953

■ 70.1723, 73.9865,  
51.5537

■ 88.5643, 94.3975,  
108.1604

■ 66.1586, 69.4372,  
39.4935

■ 90.0860, 97.4410,  
108.6677

■ 62.6237, 65.2043,  
29.5698

■ 59.5423, 61.2760,  
21.6535

■ 56.8860, 57.6395,  
15.6012

■ 54.6232, 54.2805,  
11.2506

■ 52.7167, 51.1824,  
8.4110

■ 51.1189, 48.3245,  
6.8372

# Harmonies

## Analogous

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



81.3839, 84.0735, 83.4682



79.7256, 84.0735, 82.5468



78.1385, 84.0735, 83.9644

# Triad

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



79.7256, 84.0735, 82.5468



77.2178, 84.0735, 96.7469



82.8509, 84.0735, 95.8036

# Complementary

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



79.7256, 84.0735, 82.5468



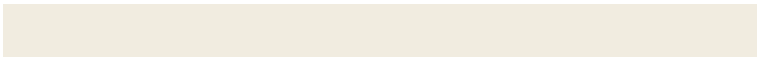
74.6368, 78.2354, 94.3871

# 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.



81.7067, 84.0735, 99.5618



79.7256, 84.0735, 82.5468



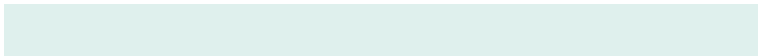
78.4527, 84.0735, 100.1198

# Square

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



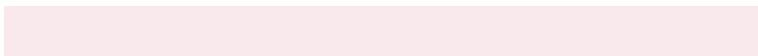
79.7256, 84.0735, 82.5468



76.7035, 84.0735, 92.0694



80.0934, 84.0735, 101.1675

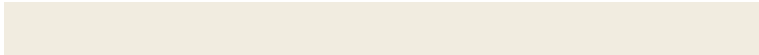


83.2033, 84.0735, 91.0161



# Rectangle

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



79.7256, 84.0735, 82.5468



77.3300, 84.0735, 86.0754



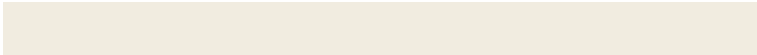
80.0934, 84.0735, 101.1675



82.5454, 84.0735, 97.2347

# Sweetspot

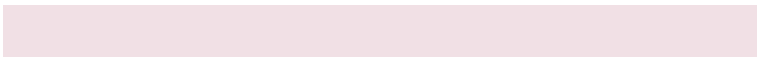
The Sweet Spot groups the original color and five complimentary colors.



79.7279, 84.0772, 82.5486



93.7634, 98.7234, 104.4740



77.0892, 77.6760, 85.1330



20.0827, 21.1443, 22.4081



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

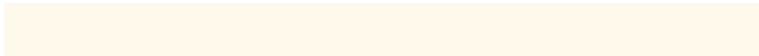


# Same Dimension

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



79.7279, 84.0772, 82.5486



90.0550, 94.9898, 91.8831



80.0365, 86.4014, 82.9810



16.7078, 17.6288, 16.6718



27.6076, 26.0132, 3.5660



2.3824, 2.3354, 0.3252



# Inverse Universe

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



74.6368, 78.2354, 94.3871



83.5144, 87.4849, 107.0923



74.3388, 76.0594, 93.9828



15.2757, 15.9856, 20.0020



9.9267, 6.0777, 45.7778

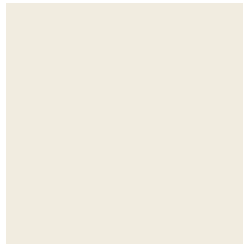


0.9088, 0.6716, 3.8359



# Previews

## White Background



This preview shows how the XYZ color 79.7256, 84.0735, 82.5468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

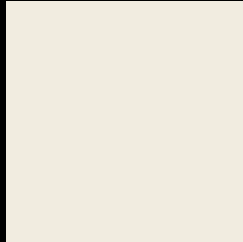
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7256, 84.0735, 82.5468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

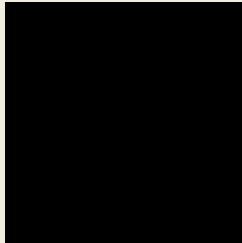
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

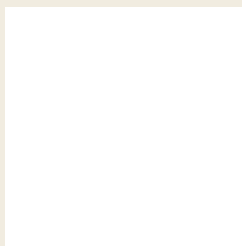
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.7256, 84.0735, 82.5468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.7256, 84.0735, 82.5468.



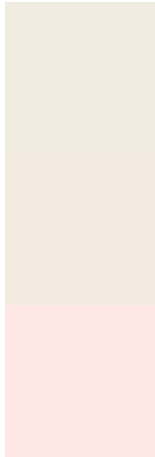
This preview shows how white text looks on a background with the XYZ color 79.7256, 84.0735,

82.5468.

# 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

79.7256, 84.0735, 82.5468

### Protanopia

80.1250, 83.8532, 82.4832

### Deuteranopia

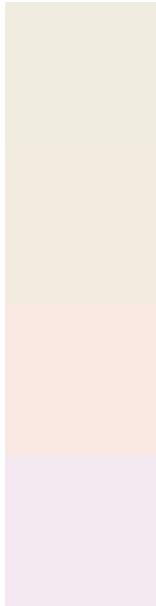
83.9588, 84.0690, 85.9306



## Tritanopia

83.7681, 84.0278, 102.2464

# Trichromacy



## Original Color

79.7256, 84.0735, 82.5468

## Protanomaly

79.7808, 83.6757, 82.4671

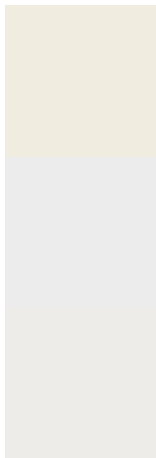
## Deuteranomaly

82.4284, 84.1479, 84.5708

## Tritanomaly

82.3243, 83.8618, 95.0671

# Monochromacy



## Original Color

79.7256, 84.0735, 82.5468

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.8208, 83.9942, 88.3494

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7256, 84.0735, 82.5468 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(241, 236, 224) looks like.

```
.text, #text, p{  
    color:rgb(241, 236, 224)  
}
```

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(241, 236, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 236, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7256, 84.0735, 82.5468 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(241, 236, 224) }
```



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

```
.border{ border-color:rgb(241, 236, 224) }
```

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

Here you see how a box with a 4 pixel rgb(241, 236, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 236, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 236, 224);  
box-shadow:4px 4px 4px 4px rgb(241, 236,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7256, 84.0735, 82.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 236, 224) }
```

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

```
.background{ background-color: rgb(241,  
236, 224) }
```

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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