

# Converting Colors

XYZ(79.8668, 82.1036, 83.8311)

Have a look what the booklet for  
XYZ(79.8668, 82.1036, 83.8311)  
contains.

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# **Color**

**XYZ(79.6116, 81.8759,  
83.5592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4E7E2
RGB	244, 231, 226
RGB Percent	96%, 91%, 89%
CMY	0.0431, 0.0941, 0.1137
CMYK	0.00, 0.05, 0.07, 0.04
HSL	17°, 45%, 92%
HSV	17°, 7%, 96%
XYZ	79.6116, 81.8759, 83.5592
YIQ	234.3170, 9.3530, 1.2010

# Conversions

## Conversions Part 2

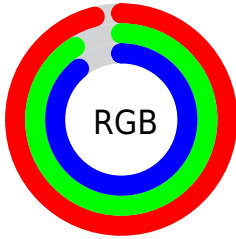
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 233, 226
Decimal	16050146
CIE Lab	92.52, 3.56, 4.00
CIE LCh	93, 5.352, 48.287
Yxy	81.8759, 0.3249, 0.3341
Android (android.graphics.Color)	4294240226 (0xFF4E7E2)
YUV	234.3170, -4.1003, 8.4920
Hunter-Lab	90.4853, -1.2998, 8.5880

# Details

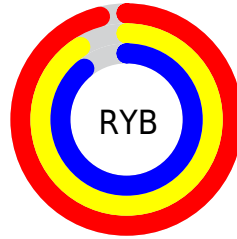
The XYZ color **79.6116, 81.8759, 83.5592** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.5595, 84.4320, 97.7454**, and the grayscale version is **78.4739, 82.5607, 89.9086**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4197, 44.2916, 44.7887** is the 20% darker color. If you saturate the color by 10%, you get **71.8145, 71.2633, 65.6003**, and if you desaturate by 10%, it is **88.3861, 93.6788, 104.1966**.

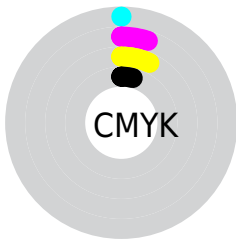
# Distribution



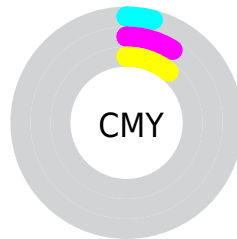
- Red (96%)
- Green (91%)
- Blue (89%)



- Red (96%)
- Yellow (91%)
- Blue (89%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6116, 81.8759, 83.5592 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 79.6116, 81.8759, 83.5592 by changing the saturation by 10% instead.



79.6116, 81.8759,  
83.5592

79.6116, 81.8759,  
83.5592

482.3794,  
501.2325, 526.8680

59.7062, 61.2632,  
62.1083

131.7729,  
136.0000, 140.2146

43.4304, 44.4377,  
44.6838

164.7595,  
170.2802, 176.2562

30.4189, 31.0147,  
30.8673

202.8372,  
209.8850, 217.9984

20.3064, 20.6101,  
20.2402

246.3713,  
255.1988, 265.8598

12.7275, 12.8393,  
12.3840

295.7272,  
306.6061, 320.2590

7.3169, 7.3180,  
6.8801

351.2703,

3.7092, 3.6617,

364.4912, 381.6143

3.3099

413.3660,  
429.2386, 450.3445

■ 1.5389, 1.4862,  
1.2550

■ 0.3521, 0.2790,  
0.0244

■ 79.6116, 81.8759,  
83.5592

■ 79.6116, 81.8759,  
83.5592

■ 71.8145, 71.2633,  
65.6003

■ 88.3861, 93.6788,  
104.1966

■ 64.9533, 61.7931,  
50.2042

■ 91.1186, 97.9733,  
108.7160

■ 58.9935, 53.4297,  
37.2547

■ 53.8960, 46.1316,  
26.6245

■ 49.6183, 39.8547,  
18.1746

■ 46.1144, 34.5516,  
11.7510

■ 43.3330, 30.1710,  
7.1794

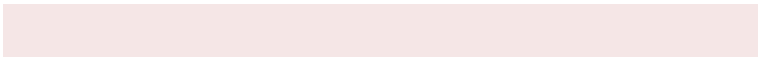
■ 41.2157, 26.6560,  
4.2554

■ 39.6907, 23.9414,  
2.7130

# Harmonies

## Analogous

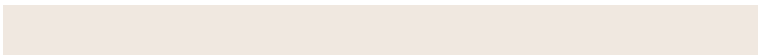
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3846, 81.8759, 86.7699



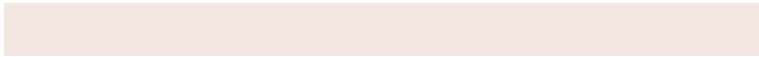
79.6116, 81.8759, 83.5592



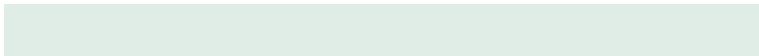
78.3641, 81.8759, 81.8658

# Triad

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



79.6116, 81.8759, 83.5592



75.2342, 81.8759, 87.6049



78.6618, 81.8759, 96.6119

# Complementary

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



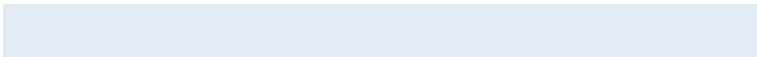
79.6116, 81.8759, 83.5592



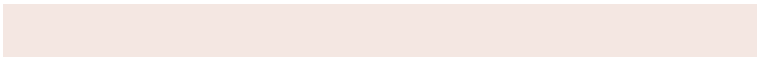
78.5595, 84.4320, 97.7454

# 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.



77.2796, 81.8759, 96.8517



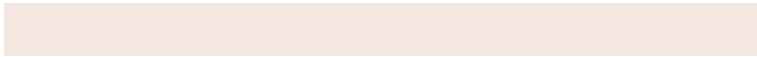
79.6116, 81.8759, 83.5592



75.3117, 81.8759, 91.5710

# Square

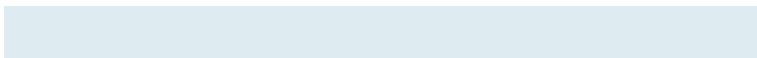
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6116, 81.8759, 83.5592



75.8435, 81.8759, 84.1547



76.0566, 81.8759, 94.9826

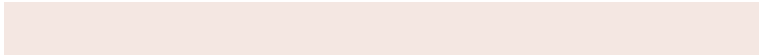


79.8317, 81.8759, 94.3369

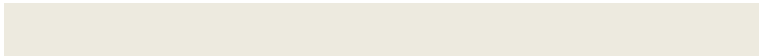


# Rectangle

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



79.6116, 81.8759, 83.5592



77.4362, 81.8759, 81.7908



76.0566, 81.8759, 94.9826



78.2062, 81.8759, 96.9356

# Sweetspot

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



79.6139, 81.8795, 83.5610



93.0762, 97.3490, 104.2449



80.1152, 79.8709, 93.0115



19.9428, 20.8645, 22.3615



0.0000, 0.0000, 0.0000

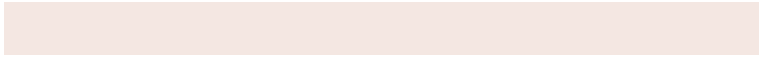


20.3446, 21.4041, 23.3091

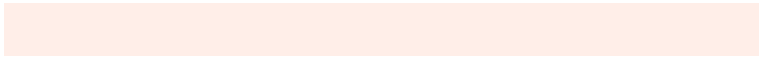


# Same Dimension

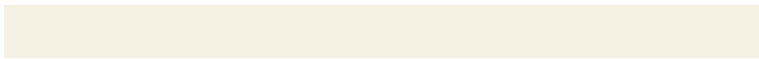
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.6139, 81.8795, 83.5610



86.5126, 88.4891, 88.9016



82.1380, 86.9276, 84.4023



16.8741, 17.2324, 17.2344



21.5031, 12.8918, 1.3550



1.9728, 1.2988, 0.1467

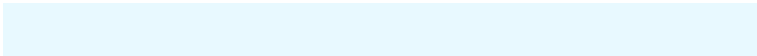


# Inverse Universe

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



78.5595, 84.4320, 97.7454



85.1032, 91.9006, 107.8609



76.0468, 79.4067, 96.9078



16.5845, 17.9333, 21.1299



17.4590, 20.7118, 49.6156

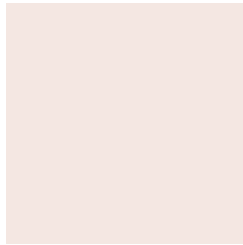


1.6206, 1.9926, 4.3894



# Previews

## White Background



This preview shows how the XYZ color 79.6116, 81.8759, 83.5592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

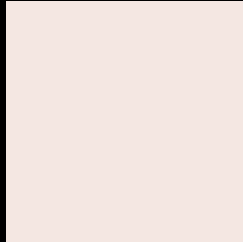
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.6116, 81.8759, 83.5592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

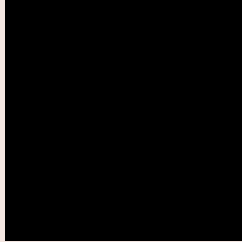
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

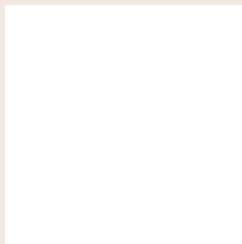
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.6116, 81.8759, 83.5592

## Background



This preview shows how black text looks on a background with the XYZ color 79.6116, 81.8759, 83.5592.



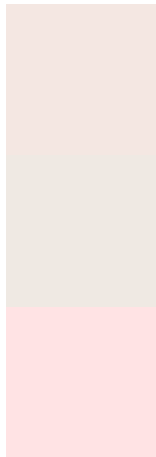
This preview shows how white text looks on a background with the XYZ color 79.6116, 81.8759,



# 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

79.6116, 81.8759, 83.5592

### Protanopia

78.6006, 82.1746, 84.3916

### Deuteranopia

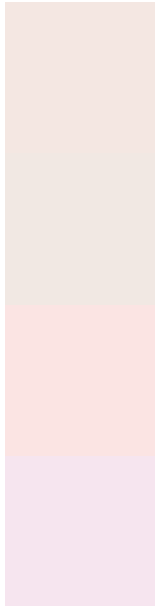
82.7127, 81.7996, 84.8283



## Tritanopia

82.7357, 81.9148, 98.6393

# Trichromacy



## Original Color

79.6116, 81.8759, 83.5592

## Protanomaly

78.9974, 81.9600, 84.3293

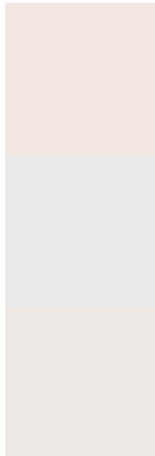
## Deuteranomaly

81.3922, 81.5421, 84.1224

## Tritanomaly

81.6053, 81.8634, 93.1615

# Monochromacy



## Original Color

79.6116, 81.8759, 83.5592

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.8226, 82.2245, 87.3178

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6116, 81.8759, 83.5592 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(244, 231, 226) looks like.

```
.text, #text, p{  
    color:rgb(244, 231, 226)  
}
```

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(244, 231, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 231, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6116, 81.8759, 83.5592 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(244, 231, 226) }
```



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

```
.border{ border-color:rgb(244, 231, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 231, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 231, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 231, 226);  
box-shadow:4px 4px 4px 4px rgb(244, 231,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6116, 81.8759, 83.5592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 231, 226) }
```

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

```
.background{ background-color: rgb(244,  
231, 226) }
```

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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