

# Converting Colors

XYZ(80.0035, 84.8875, 78.4985)

Have a look what the booklet for  
XYZ(80.0035, 84.8875, 78.4985)  
contains.

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# Color

**XYZ(79.9012, 84.6850,  
78.4643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3EDDA
RGB	243, 237, 218
RGB Percent	95%, 93%, 85%
CMY	0.0471, 0.0706, 0.1451
CMYK	0.00, 0.02, 0.10, 0.05
HSL	46°, 51%, 90%
HSV	46°, 10%, 95%
XYZ	79.9012, 84.6850, 78.4643
YIQ	236.6280, 9.6750, -4.6370

# Conversions

## Conversions Part 2

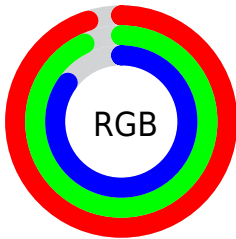
Format	Color
R <sub>Y</sub> B	226, 243, 218
Decimal	15986138
CIE Lab	93.75, -1.16, 9.91
CIE LCh	94, 9.978, 96.661
Yxy	84.6850, 0.3287, 0.3484
Android (android.graphics.Color)	4294176218 (0xFFF3EDDA)
YUV	236.6280, -9.1836, 5.5882
Hunter-Lab	92.0245, -6.0583, 13.8637

# Details

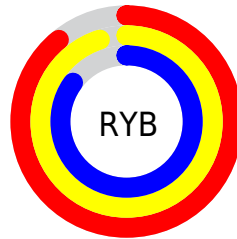
The XYZ color **79.9012, 84.6850, 78.4643** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.7466, 74.6865, 95.4293**, and the grayscale version is **80.2754, 84.4559, 91.9725**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6282, 46.2569, 41.2793** is the 20% darker color. If you saturate the color by 10%, you get **75.2925, 80.1883, 62.3730**, and if you desaturate by 10%, it is **85.0356, 89.4853, 97.0329**.

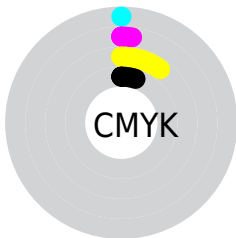
# Distribution



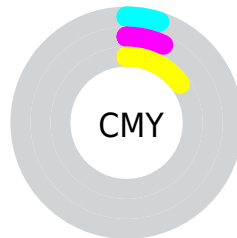
- Red (95%)
- Green (93%)
- Blue (85%)



- Red (89%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9012, 84.6850, 78.4643 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 79.9012, 84.6850, 78.4643 by changing the saturation by 10% instead.



79.9012, 84.6850,  
78.4643

79.9012, 84.6850,  
78.4643

483.3414,  
510.5852, 509.3119

59.9452, 63.5811,  
57.9368

132.1781,  
139.9330, 132.9963

43.6238, 46.3115,  
41.3434

165.2297,  
174.8459, 167.8377

30.5715, 32.4917,  
28.2658

203.3772,  
215.1306, 208.2876

20.4230, 21.7373,  
18.2853

246.9861,  
261.1716, 254.7644

12.8129, 13.6640,  
10.9835

296.4216,  
313.3531, 307.6867

7.3760, 7.8874,  
5.9417

352.0490,

3.7467, 4.0230,

372.0596, 367.4730

2.7414

414.2339,  
437.6755, 434.5419

■ 1.5599, 1.6864,  
0.9642

■ 0.3660, 0.4148,  
0.0000

■ 79.9012, 84.6850,  
78.4643

■ 79.9012, 84.6850,  
78.4643

■ 75.2925, 80.1883,  
62.3730

■ 85.0356, 89.4853,  
97.0329

■ 71.1819, 75.9750,  
48.6471

■ 88.7834, 93.8167,  
108.0368

■ 67.5495, 72.0391,  
37.1738

■ 90.6094, 97.4687,  
108.6455

■ 64.3713, 68.3700,  
27.8294

■ 90.7725, 97.7949,  
108.6998

■ 61.6209, 64.9565,  
20.4778

■ 59.2690, 61.7859,  
14.9674

■ 57.2822, 58.8439,  
11.1245

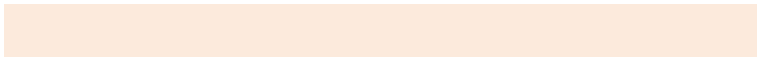
■ 55.6205, 56.1138,  
8.7421

■ 54.2544, 53.6386,  
7.4938

# Harmonies

## Analogous

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



82.5254, 84.6850, 79.4518



79.9012, 84.6850, 78.4643



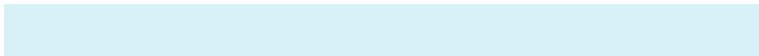
77.4875, 84.6850, 80.9938

# Triad

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



79.9012, 84.6850, 78.4643



76.4734, 84.6850, 101.1945



85.2584, 84.6850, 98.1083

# Complementary

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



79.9012, 84.6850, 78.4643



71.7466, 74.6865, 95.4293

# Split Complementary

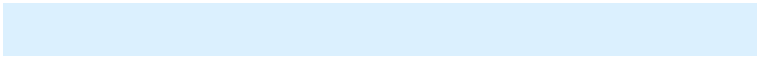
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5702, 84.6850, 104.4113



79.9012, 84.6850, 78.4643



78.4895, 84.6850, 106.2603

# Square

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



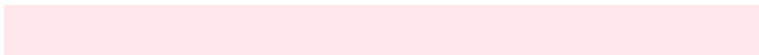
79.9012, 84.6850, 78.4643



75.5367, 84.6850, 93.9099



81.0828, 84.6850, 107.4686



85.6564, 84.6850, 90.5259



# Rectangle

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



79.9012, 84.6850, 78.4643



76.3098, 84.6850, 84.4205



81.0828, 84.6850, 107.4686



84.8212, 84.6850, 100.4593

# Sweetspot

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



79.9035, 84.6887, 78.4661



93.2601, 98.3521, 102.3477



75.5231, 74.5941, 81.1177



19.8611, 20.9582, 21.5411



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.



79.9035, 84.6887, 78.4661



88.2124, 93.5906, 84.2213



79.5480, 87.1255, 78.9552



17.5583, 18.6007, 17.4624



29.8863, 29.6582, 4.1494



2.7056, 2.7644, 0.3910



# Inverse Universe

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



71.7466, 74.6865, 95.4293



77.6976, 80.6972, 106.0888



72.0682, 72.5024, 94.9907



15.9038, 16.5719, 20.9030



9.8036, 5.4010, 47.0638

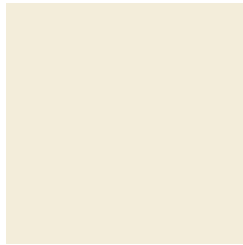


0.9383, 0.6280, 4.1620



# Previews

## White Background



This preview shows how the XYZ color 79.9012, 84.6850, 78.4643 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

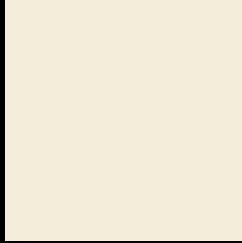
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9012, 84.6850, 78.4643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

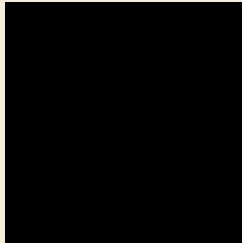
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

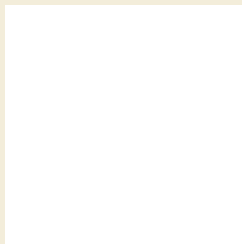
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.9012, 84.6850, 78.4643**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9012, 84.6850, 78.4643.



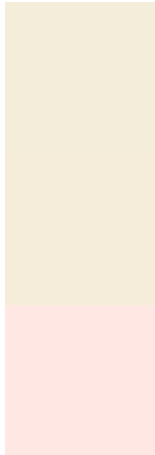
This preview shows how white text looks on a background with the XYZ color 79.9012, 84.6850,



# 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

79.9012, 84.6850, 78.4643

### Protanopia

80.6564, 84.6457, 78.4169

### Deuteranopia

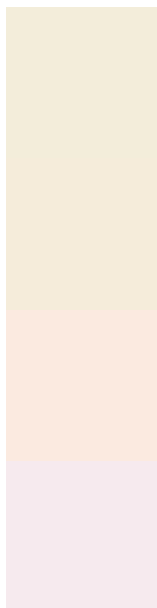
83.9617, 84.5193, 84.5616



## Tritanopia

84.8233, 84.5718, 102.2958

# Trichromacy



## Original Color

79.9012, 84.6850, 78.4643

## Protanomaly

80.3065, 84.4653, 78.4005

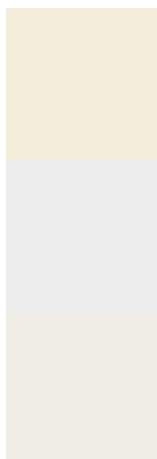
## Deuteranomaly

82.6610, 84.7367, 82.5201

## Tritanomaly

82.8615, 84.6115, 92.8533

# Monochromacy



## Original Color

79.9012, 84.6850, 78.4643

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.1637, 84.6323, 86.9735

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9012, 84.6850, 78.4643 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(243, 237, 218)` looks like.

```
.text, #text, p{  
    color:rgb(243, 237, 218)  
}
```

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(243, 237, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 237, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9012, 84.6850, 78.4643 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(243, 237, 218) }
```



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

```
.border{ border-color:rgb(243, 237, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 237, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 237, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 237, 218);  
box-shadow:4px 4px 4px 4px rgb(243, 237,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9012, 84.6850, 78.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 237, 218) }
```

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

```
.background{ background-color: rgb(243,  
237, 218) }
```

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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