

# Converting Colors

XYZ(81.2148, 85.0918, 90.7411)

Have a look what the booklet for XYZ(81.2148, 85.0918, 90.7411) contains.

**XYZ(81.2148, 85.0918, 90.7411)** ..... 3

***Conversions*** ..... 4

***Details*** ..... 6

***Harmonies*** ..... 12

***Previews*** ..... 24

***Color Blindness Simulation*** ..... 28

***CSS Examples*** ..... 31

# Color

**XYZ(81.2148, 85.0918,  
90.7411)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0EDEB
RGB	240, 237, 235
RGB Percent	94%, 93%, 92%
CMY	0.0588, 0.0706, 0.0784
CMYK	0.00, 0.01, 0.02, 0.06
HSL	24°, 14%, 93%
HSV	24°, 2%, 94%
XYZ	81.2148, 85.0918, 90.7411
YIQ	237.6690, 2.4300, 0.0140

# Conversions

## Conversions Part 2

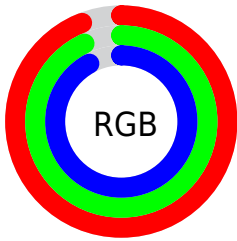
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">240, 238, 235</a>
Decimal	<a href="#">15789547</a>
CIELab	<a href="#">93.92, 0.66, 1.31</a>
CIELCh	<a href="#">94, 1.467, 63.336</a>
Yxy	<a href="#">85.0918, 0.3160, 0.3310</a>
Android (android.graphics.Color)	<a href="#">4293979627</a> ( <a href="#">0xFFFF0EDEB</a> )
YUV	<a href="#">237.6690, -1.3158, 2.0443</a>
Hunter-Lab	<a href="#">92.2452, -4.2736, 6.2484</a>

# Details

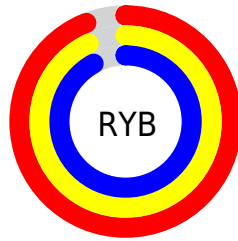
The XYZ color **81.2148, 85.0918, 90.7411** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.5637, 85.1015, 94.6194**, and the grayscale version is **81.0227, 85.2422, 92.8288**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4277, 46.4928, 49.2802** is the 20% darker color. If you saturate the color by 10%, you get **73.9814, 75.8040, 72.3614**, and if you desaturate by 10%, it is **88.6037, 94.9815, 108.2711**.

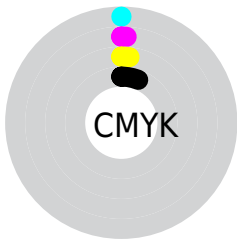
# Distribution



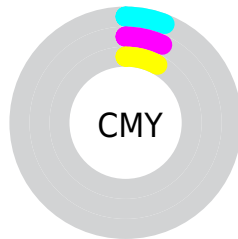
- Red (94%)
- Green (93%)
- Blue (92%)



- Red (94%)
- Yellow (93%)
- Blue (92%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2148, 85.0918, 90.7411 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 81.2148, 85.0918, 90.7411 by changing the saturation by 10% instead.



81.2148, 85.0918,  
90.7411

81.2148, 85.0918,  
90.7411

487.6918,  
511.9318, 551.0709

61.0304, 63.9172,  
68.0183

134.0139,  
140.5014, 150.3119

44.5023, 46.5836,  
49.4458

167.3594,  
175.5053, 187.9970

31.2652, 32.7066,  
34.6052

205.8225,  
215.8877, 231.5065

20.9537, 21.9018,  
23.0778

249.7688,  
262.0330, 281.2591

13.2024, 13.7848,  
14.4451

299.5635,  
314.3257, 337.6734

7.6461, 7.9711,  
8.2886

355.5720,

3.9192, 4.0765,

373.1501, 401.1677

4.1898

418.1597,  
438.8907, 472.1607

■ 1.6565, 1.7164,  
1.7300

■ 0.4288, 0.4343,  
0.3812

■ 81.2148, 85.0918,  
90.7411

■ 81.2148, 85.0918,  
90.7411

■ 73.9814, 75.8040,  
72.3614

■ 88.6037, 94.9815,  
108.2711

■ 67.5211, 67.3446,  
56.4545

■ 89.7457, 97.2656,  
108.6518

■ 61.8082, 59.6930,  
42.9151

■ 56.8132, 52.8240,  
31.6281

■ 52.5040, 46.7108,  
22.4687

■ 48.8461, 41.3249,  
15.2997

■ 45.8013, 36.6356,  
9.9677

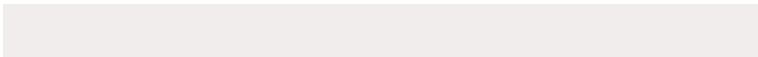
■ 43.3266, 32.6096,  
6.2962

■ 41.3717, 29.2095,  
4.0736

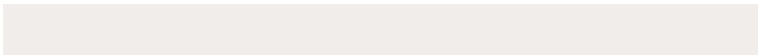
# Harmonies

## Analogous

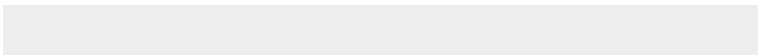
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5065, 85.0918, 91.4732



81.2148, 85.0918, 90.7411



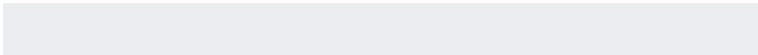
80.8335, 85.0918, 90.5192

# Triad

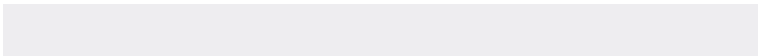
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2148, 85.0918, 90.7411



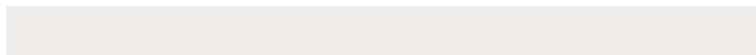
80.1296, 85.0918, 92.7757



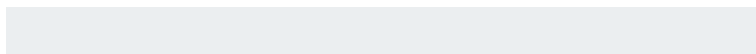
81.2907, 85.0918, 94.4596

# Complementary

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



81.2148, 85.0918, 90.7411



80.5637, 85.1015, 94.6194

# 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.



80.9209, 85.0918, 94.8150



81.2148, 85.0918, 90.7411



80.2512, 85.0918, 93.8379

# Square

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



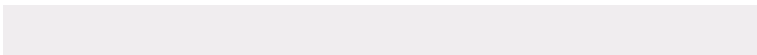
81.2148, 85.0918, 90.7411



80.2077, 85.0918, 91.6883



80.5405, 85.0918, 94.5865

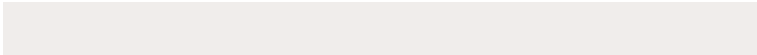


81.5504, 85.0918, 93.6194



# Rectangle

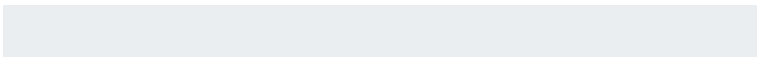
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



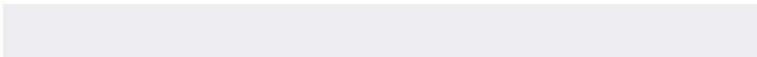
81.2148, 85.0918, 90.7411



80.5800, 85.0918, 90.6890



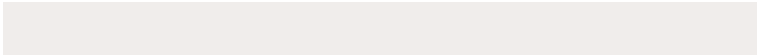
80.5405, 85.0918, 94.5865



81.1751, 85.0918, 94.6401

# Sweetspot

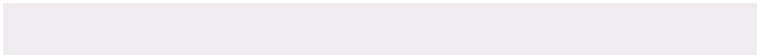
The Sweet Spot groups the original color and five complimentary colors.



81.2172, 85.0955, 90.7429



94.1566, 98.8658, 106.5902



81.0774, 84.1163, 92.8530



20.1628, 21.1733, 22.8390



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.



81.2172, 85.0955, 90.7429



93.2725, 97.7416, 104.3103



81.9449, 86.5509, 90.9855



17.4898, 18.3319, 19.5862



22.0929, 14.9840, 1.7278



1.9328, 1.4362, 0.1753



# Inverse Universe

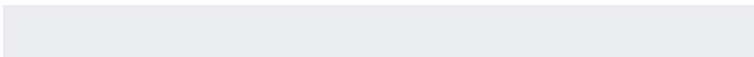
The Inverse Universe completely reimagines the original color for something new.



80.5637, 85.1015, 94.6194



92.5499, 97.7482, 108.5971



79.8421, 83.6581, 94.3788



17.3619, 18.3331, 20.3452



14.1869, 14.5980, 47.1978

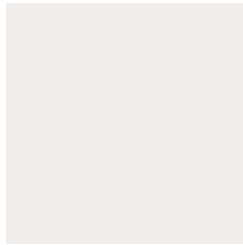


1.2773, 1.4086, 3.9588



# Previews

## White Background



This preview shows how the XYZ color 81.2148, 85.0918, 90.7411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

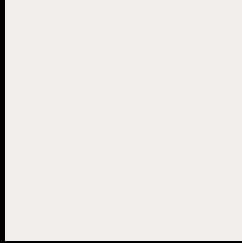
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2148, 85.0918, 90.7411 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

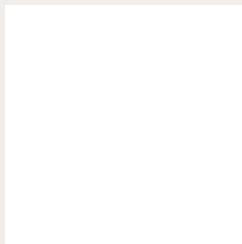
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.2148, 85.0918, 90.7411

## Background



This preview shows how black text looks on a background with the XYZ color 81.2148, 85.0918, 90.7411.



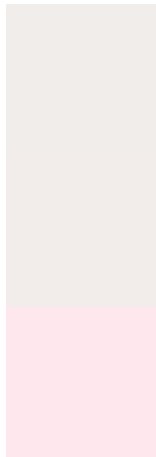
This preview shows how white text looks on a background with the XYZ color 81.2148, 85.0918,

90.7411.

# 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

81.2148, 85.0918, 90.7411

### Protanopia

81.6088, 84.8663, 90.6769

### Deuteranopia

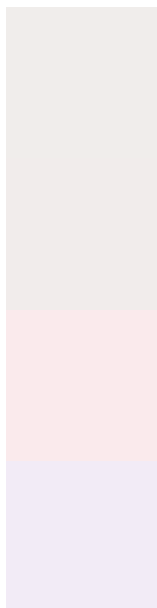
85.3827, 85.0877, 92.0442



## Tritanopia

84.1146, 84.9922, 104.9003

# Trichromacy



## Original Color

81.2148, 85.0918, 90.7411

## Protanomaly

81.2665, 84.6898, 90.6608

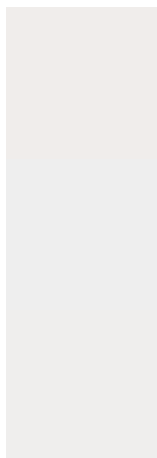
## Deuteranomaly

83.9875, 85.2258, 91.3805

## Tritanomaly

82.9608, 84.9477, 99.2128

# Monochromacy



## Original Color

81.2148, 85.0918, 90.7411

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.4572, 85.6142, 92.3527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2148, 85.0918, 90.7411 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(240, 237, 235) looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 235)  
}
```

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(240, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2148, 85.0918, 90.7411 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(240, 237, 235) }
```



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

```
.border{ border-color:rgb(240, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 235);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2148, 85.0918, 90.7411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 235) }
```

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

```
.background{ background-color: rgb(240,  
237, 235) }
```

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