

# Converting Colors

XYZ(83.7223, 85.9166, 90.5467)

Have a look what the booklet for  
XYZ(83.7223, 85.9166, 90.5467)  
contains.

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# Color

**XYZ(83.7022, 85.9455,  
90.7748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8ECEB
RGB	248, 236, 235
RGB Percent	97%, 93%, 92%
CMY	0.0274, 0.0745, 0.0784
CMYK	0.00, 0.05, 0.05, 0.03
HSL	5°, 48%, 95%
HSV	5°, 5%, 97%
XYZ	83.7022, 85.9455, 90.7748
YIQ	239.4740, 7.4730, 2.2330

# Conversions

## Conversions Part 2

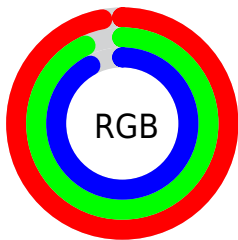
Format	Color
R <sub>Y</sub> B	248, 236, 235
Decimal	16313579
CIE Lab	94.29, 3.87, 1.92
CIE LCh	94, 4.324, 26.354
Yxy	85.9455, 0.3214, 0.3300
Android (android.graphics.Color)	4294503659 (0xFFF8ECEB)
YUV	239.4740, -2.2057, 7.4773
Hunter-Lab	92.7068, -1.0746, 6.8404

# Details

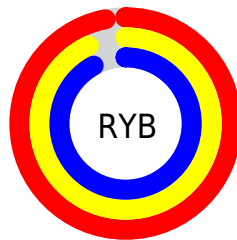
The XYZ color **83.7022, 85.9455, 90.7748** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.4648, 90.9595, 101.9131**, and the grayscale version is **82.4281, 86.7207, 94.4389**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1962, 47.1037, 49.3049** is the 20% darker color. If you saturate the color by 10%, you get **74.1947, 72.2696, 71.1434**, and if you desaturate by 10%, it is **92.5218, 98.6967, 108.7817**.

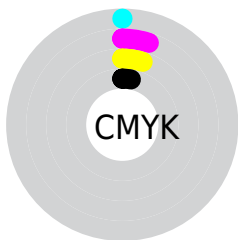
# Distribution



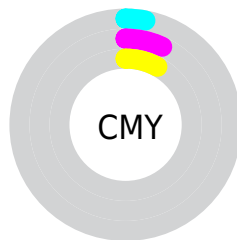
- Red (97%)
- Green (93%)
- Blue (92%)



- Red (97%)
- Yellow (93%)
- Blue (92%)



- Cyan (0%)
- Magenta (5%)
- Yellow (5%)
- Black (3%)



- Cyan (3%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7022, 85.9455, 90.7748 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 83.7022, 85.9455, 90.7748 by changing the saturation by 10% instead.



83.7022, 85.9455,  
90.7748

83.7022, 85.9455,  
90.7748

495.8724,  
514.7515, 551.1830

63.0885, 64.6229,  
68.0461

137.4819,  
141.6934, 150.3591

46.1717, 47.1554,  
49.4683

171.3787,  
176.8876, 188.0517

32.5865, 33.1585,  
34.6229

210.4338,  
217.4743, 231.5695

21.9676, 22.2479,  
23.0913

255.0126,  
263.8381, 281.3308

13.9496, 14.0392,  
14.4550

305.4805,  
316.3633, 337.7543

8.1671, 8.1479,  
8.2955

362.2029,

4.2547, 4.1897,

375.4344, 401.2585

4.1941

425.5451,  
441.4356, 472.2619

■ 1.8472, 1.7803,  
1.7324

■ 0.5459, 0.4748,  
0.3828

■ 83.7022, 85.9455,  
90.7748

■ 83.7022, 85.9455,  
90.7748

■ 74.1947, 72.2696,  
71.1434

■ 92.5218, 98.6967,  
108.7817

■ 65.9762, 60.4063,  
54.3037

■ 58.9933, 50.2829,  
40.1304

■ 53.1861, 41.8175,  
28.4869

■ 48.4898, 34.9218,  
19.2241

■ 44.8332, 29.4989,  
12.1775

■ 42.1368, 25.4416,  
7.1616

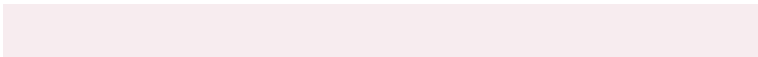
■ 40.3095, 22.6278,  
3.9606

■ 39.2425, 20.9137,  
2.3099

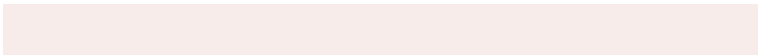
# Harmonies

## Analogous

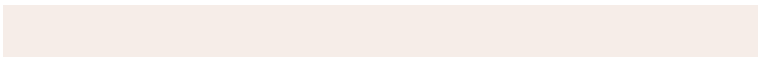
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9333, 85.9455, 93.9865



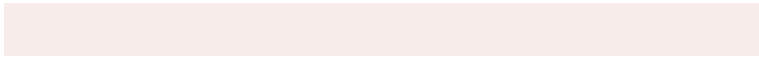
83.7022, 85.9455, 90.7748



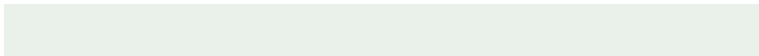
82.9298, 85.9455, 88.3659

# Triad

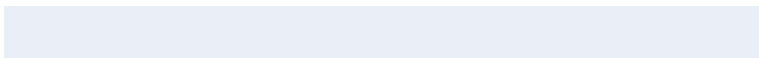
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7022, 85.9455, 90.7748



79.8471, 85.9455, 90.0876



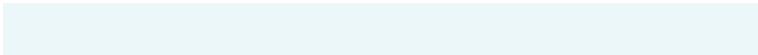
81.5470, 85.9455, 100.0962

# Complementary

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



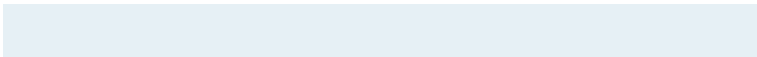
83.7022, 85.9455, 90.7748



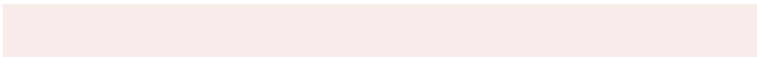
84.4648, 90.9595, 101.9131

# Split Complementary

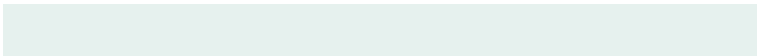
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4599, 85.9455, 98.9954



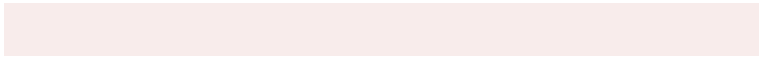
83.7022, 85.9455, 90.7748



79.4843, 85.9455, 93.1747

# Square

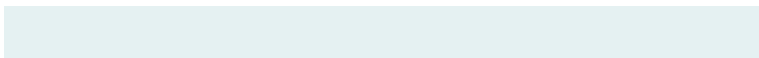
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7022, 85.9455, 90.7748



80.7031, 85.9455, 87.9758



79.7076, 85.9455, 96.4425

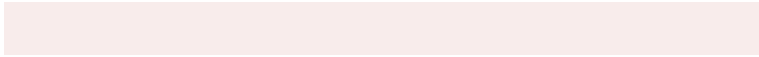


82.6821, 85.9455, 99.4174



# Rectangle

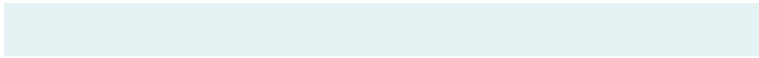
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



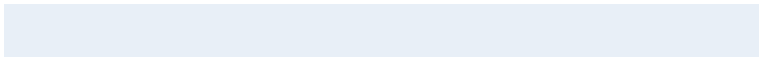
83.7022, 85.9455, 90.7748



82.2156, 85.9455, 87.5128



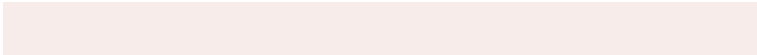
79.7076, 85.9455, 96.4425



81.1639, 85.9455, 99.9214

# Sweetspot

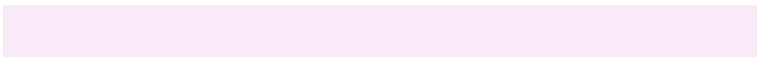
The Sweet Spot groups the original color and five complimentary colors.



83.7046, 85.9492, 90.7767



92.7567, 96.7099, 104.1384



85.2299, 86.0980, 100.2311



19.8778, 20.7344, 22.3398



0.0000, 0.0000, 0.0000

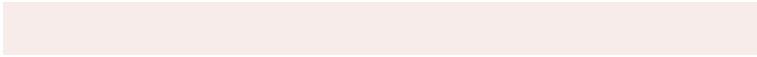


20.3446, 21.4041, 23.3091



# Same Dimension

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



83.7046, 85.9492, 90.7767



88.3440, 90.3742, 94.9923



85.5693, 89.6785, 91.3982



17.9616, 18.3164, 19.1739



21.0768, 11.1103, 1.0336

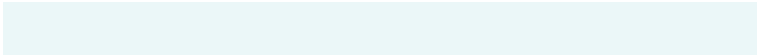


1.9881, 1.1011, 0.1077

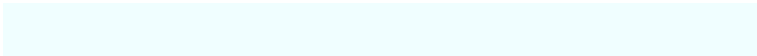


# Inverse Universe

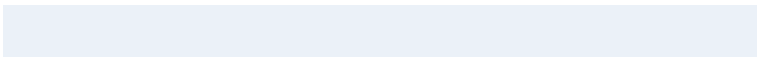
The Inverse Universe completely reimagines the original color for something new.



84.4648, 90.9595, 101.9131



89.2675, 96.4610, 108.5217



82.5522, 87.1344, 101.2756



18.1701, 19.6905, 22.2283



24.3124, 33.9804, 53.2510

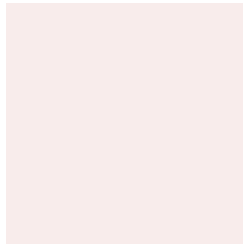


2.2849, 3.2134, 4.9430



# Previews

## White Background



This preview shows how the XYZ color 83.7022, 85.9455, 90.7748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

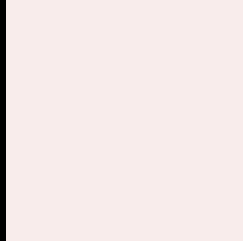
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.7022, 85.9455, 90.7748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

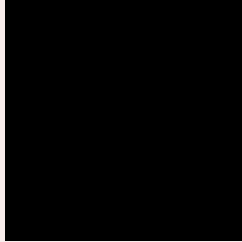
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

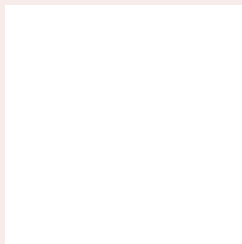
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.7022, 85.9455, 90.7748

## Background



This preview shows how black text looks on a background with the XYZ color 83.7022, 85.9455, 90.7748.



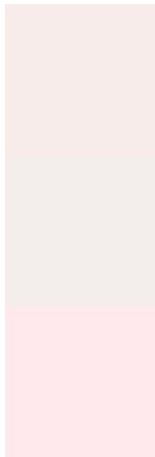
This preview shows how white text looks on a background with the XYZ color 83.7022, 85.9455,

90.7748.

# 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

83.7022, 85.9455, 90.7748

### Protanopia

82.3867, 85.6792, 91.5524

### Deuteranopia

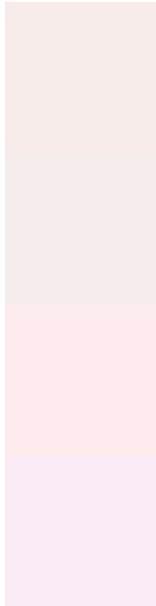
85.6650, 85.6523, 92.1383



## Tritanopia

86.1339, 85.6301, 104.0840

# Trichromacy



## Original Color

83.7022, 85.9455, 90.7748

## Protanomaly

83.0807, 86.0370, 91.5849

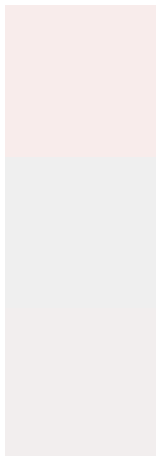
## Deuteranomaly

84.7080, 85.5972, 91.4142

## Tritanomaly

85.1243, 85.6392, 99.2323

# Monochromacy



## Original Color

83.7022, 85.9455, 90.7748

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.6251, 86.1994, 93.1723

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7022, 85.9455, 90.7748 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(248, 236, 235) looks like.

```
.text, #text, p{  
    color:rgb(248, 236, 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(248, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 236, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7022, 85.9455, 90.7748 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(248, 236, 235) }
```



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

```
.border{ border-color:rgb(248, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(248, 236,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7022, 85.9455, 90.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 236, 235) }
```

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

```
.background{ background-color: rgb(248,  
236, 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](#).

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