

# Converting Colors

XYZ(87.0039, 86.9654, 90.9251)

Have a look what the booklet for  
XYZ(87.0039, 86.9654, 90.9251)  
contains.

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# Color

**XYZ(85.6582, 86.1038,  
90.7023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAEB
RGB	255, 234, 235
RGB Percent	100%, 92%, 92%
CMY	0.0000, 0.0823, 0.0784
CMYK	0.00, 0.08, 0.08, 0.00
HSL	357°, 100%, 96%
HSV	357°, 8%, 100%
XYZ	85.6582, 86.1038, 90.7023
YIQ	240.3930, 12.1950, 4.7630

# Conversions

## Conversions Part 2

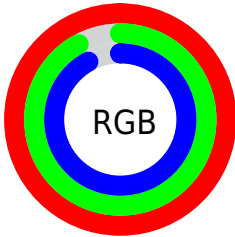
Format	Color
R <sub>Y</sub> B	255, 234, 235
Decimal	16771819
CIE Lab	94.36, 7.29, 2.09
CIE LCh	94, 7.580, 15.976
Yxy	86.1038, 0.3264, 0.3281
Android (android.graphics.Color)	4294961899 (0xFFFFEAEB)
YUV	240.3930, -2.6587, 12.8103
Hunter-Lab	92.7921, 2.3905, 6.9998

# Details

The XYZ color **85.6582, 86.1038, 90.7023** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5838, 96.1695, 107.7161**, and the grayscale version is **83.1476, 87.4777, 95.2633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3458, 47.1012, 49.2439** is the 20% darker color. If you saturate the color by 10%, you get **75.6411, 71.3076, 71.2152**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



Red (100%)

Green (92%)

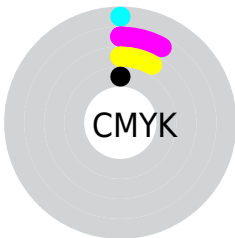
Blue (92%)



Red (100%)

Yellow (92%)

Blue (92%)



Cyan (0%)

Magenta (8%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.6582, 86.1038, 90.7023 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 85.6582, 86.1038, 90.7023 by changing the saturation by 10% instead.




 85.6582, 86.1038,  
90.7023

 85.6582, 86.1038,  
90.7023


502.2544,  
515.2734, 550.9417

 64.7097, 64.7538,  
67.9863


140.2017,  
141.9143, 150.2576

 47.4895, 47.2615,  
49.4200


174.5274,  
177.1437, 187.9339

 33.6324, 33.2424,  
34.5848

214.0429,  
217.7682, 231.4341

 22.7729, 22.3122,  
23.0622

259.1135,  
264.1724, 281.1767

 14.5457, 14.0865,  
14.4337

310.1046,  
316.7406, 337.5802

 8.5854, 8.1808,  
8.2808

367.3816,

 4.5267, 4.2109,

375.8573, 401.0632

4.1848

431.3097,  
441.9067, 472.0442

■ 2.0042, 1.7922,  
1.7273

■ 0.6363, 0.4823,  
0.3793

■ 85.6582, 86.1038,  
90.7023

■ 85.6582, 86.1038,  
90.7023

■ 75.6411, 71.3076,  
71.2152

95.0500, 100.0000,  
108.9000

■ 67.0824, 58.6926,  
54.4821

■ 59.9159, 48.1588,  
40.3804

■ 54.0679, 39.5945,  
28.7764

■ 49.4579, 32.8773,  
19.5243

■ 45.9969, 27.8714,  
12.4633

■ 43.5835, 24.4220,  
7.4127

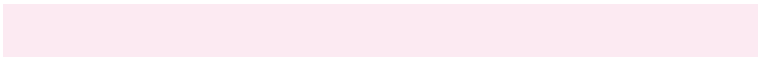
■ 42.0990, 22.3467,  
4.1628

■ 41.3853, 21.3964,  
2.4541

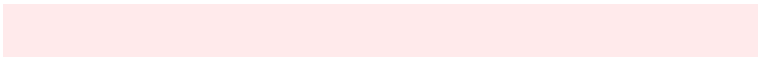
# Harmonies

## Analogous

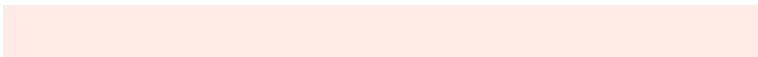
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6937, 86.1038, 96.4940



85.6582, 86.1038, 90.7023



84.5882, 86.1038, 85.9244

# Triad

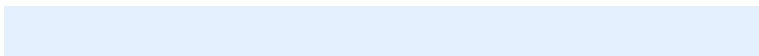
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6582, 86.1038, 90.7023



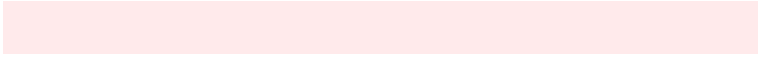
79.0581, 86.1038, 86.1792



80.8946, 86.1038, 105.0485

# Complementary

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



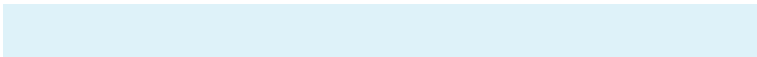
85.6582, 86.1038, 90.7023



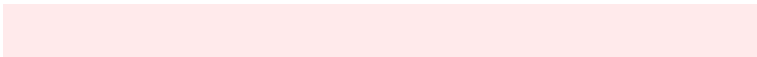
87.5838, 96.1695, 107.7161

# Split Complementary

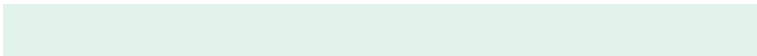
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1502, 86.1038, 102.0419



85.6582, 86.1038, 90.7023



78.1018, 86.1038, 91.0633

# Square

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



85.6582, 86.1038, 90.7023



80.7670, 86.1038, 83.3879



78.1352, 86.1038, 96.8701



82.9206, 86.1038, 104.9420

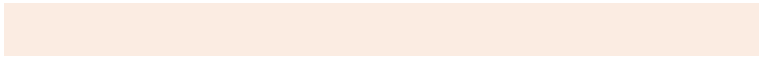


# Rectangle

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



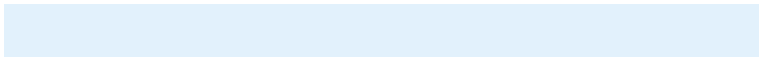
85.6582, 86.1038, 90.7023



83.4422, 86.1038, 83.8863



78.1352, 86.1038, 96.8701



80.2566, 86.1038, 104.3632

# Sweetspot

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



85.6602, 86.1074, 90.7041



92.6721, 96.4801, 104.2973



88.3294, 87.1306, 106.7702



19.8605, 20.6876, 22.3721



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

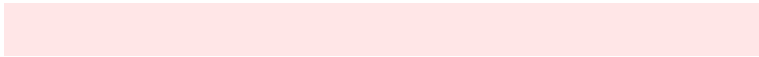


# Same Dimension

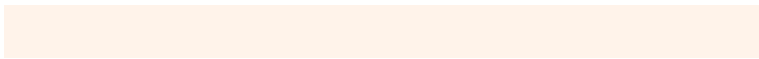
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6602, 86.1074, 90.7041



83.7806, 83.3288, 87.0545



88.2786, 91.5737, 90.8692



18.0443, 18.0010, 18.8504



21.5985, 11.1287, 1.2701

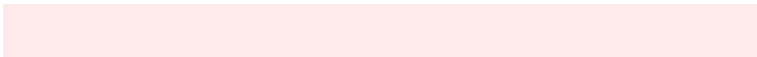


2.1147, 1.0883, 0.1854

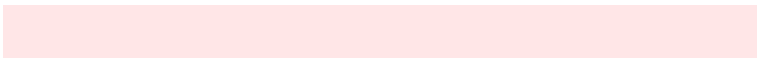


# Inverse Universe

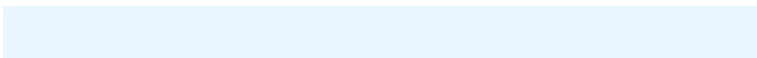
The Inverse Universe completely reimagines the original color for something new.



85.6602, 86.1074, 90.7041



83.7806, 83.3288, 87.0545



84.8036, 90.3532, 107.5780



18.0443, 18.0010, 18.8504



21.5985, 11.1287, 1.2701

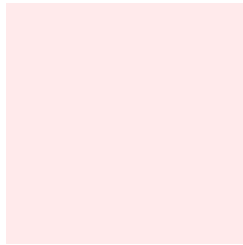


2.1147, 1.0883, 0.1854



# Previews

## White Background



This preview shows how the XYZ color 85.6582, 86.1038, 90.7023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

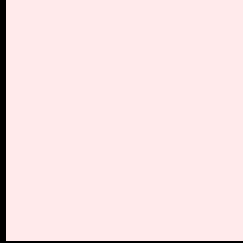
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.6582, 86.1038, 90.7023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

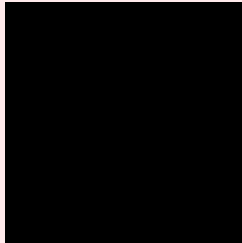
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

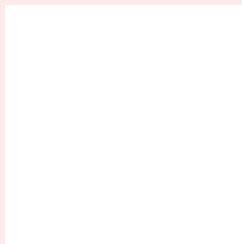
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.6582, 86.1038, 90.7023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.6582, 86.1038, 90.7023.



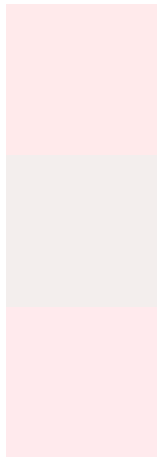
This preview shows how white text looks on a background with the XYZ color 85.6582, 86.1038,

90.7023.

# 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

85.6582, 86.1038, 90.7023

### Protanopia

82.8227, 86.3182, 92.4166

### Deuteranopia

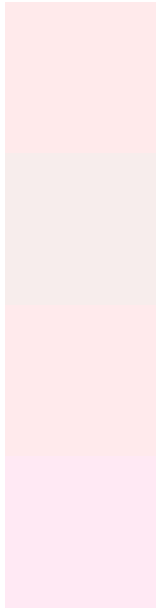
85.9489, 86.2201, 92.2329



## Tritanopia

87.4778, 86.3774, 101.6845

# Trichromacy



## Original Color

85.6582, 86.1038, 90.7023

## Protanomaly

83.7823, 86.3987, 91.6177

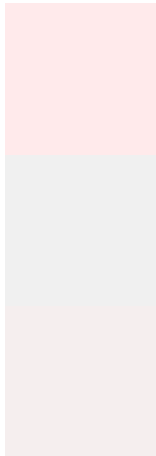
## Deuteranomaly

85.8031, 86.1618, 91.4655

## Tritanomaly

86.7080, 86.0695, 97.6310

# Monochromacy



## Original Color

85.6582, 86.1038, 90.7023

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

83.6633, 86.7346, 93.2208

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.6582, 86.1038, 90.7023 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(255, 234, 235) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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(255, 234, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 85.6582, 86.1038, 90.7023 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(255, 234, 235) }
```



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

```
.border{ border-color:rgb(255, 234, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.6582, 86.1038, 90.7023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 235) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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