

# Converting Colors

XYZ(85.6141, 87.6323, 85.7030)

Have a look what the booklet for  
XYZ(85.6141, 87.6323, 85.7030)  
contains.

<b>XYZ(85.5278, 87.4298, 85.7666)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(85.5278, 87.4298,  
85.7666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDE4
RGB	255, 237, 228
RGB Percent	100%, 93%, 89%
CMY	0.0000, 0.0706, 0.1059
CMYK	0.00, 0.07, 0.11, 0.00
HSL	20°, 100%, 95%
HSV	20°, 11%, 100%
XYZ	85.5278, 87.4298, 85.7666
YIQ	241.3560, 13.6170, 1.0170

# Conversions

## Conversions Part 2

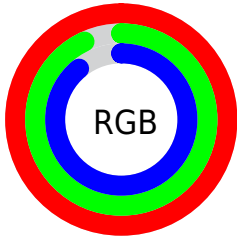
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 242, 228
Decimal	16772580
CIE Lab	94.92, 4.61, 6.54
CIE LCh	95, 7.999, 54.786
Yxy	87.4298, 0.3306, 0.3379
Android (android.graphics.Color)	4294962660 (0xFFFFE4E4)
YUV	241.3560, -6.5845, 11.9658
Hunter-Lab	93.5039, -0.3583, 11.0689

# Details

The XYZ color **85.5278, 87.4298, 85.7666** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9999, 89.6231, 107.5322**, and the grayscale version is **83.9340, 88.3051, 96.1643**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3554, 48.0706, 46.3178** is the 20% darker color. If you saturate the color by 10%, you get **77.5562, 76.7401, 66.9137**, and if you desaturate by 10%, it is **94.4919, 99.2684, 107.5285**.

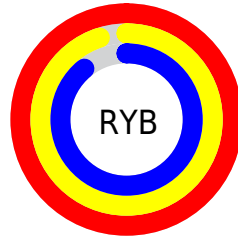
# Distribution



Red (100%)

Green (93%)

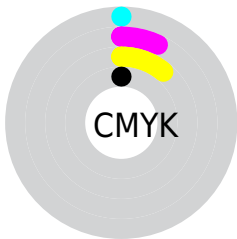
Blue (89%)



Red (100%)

Yellow (95%)

Blue (89%)

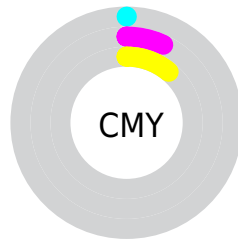


Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5278, 87.4298, 85.7666 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 85.5278, 87.4298, 85.7666 by changing the saturation by 10% instead.




 85.5278, 87.4298,  
85.7666

 85.5278, 87.4298,  
85.7666


501.8303,  
519.6341, 534.3719

 64.6015, 65.8509,  
63.9212


140.0206,  
143.7631, 143.3274

 47.4015, 48.1514,  
46.1411

174.3178,  
179.2862, 179.8799

 33.5625, 33.9468,  
32.0077

213.8027,  
220.2263, 222.1718

 22.7190, 22.8527,  
21.1025

258.8407,  
266.9677, 270.6217

 14.5057, 14.4848,  
13.0070

309.7971,  
319.8948, 325.6481

 8.5573, 8.4586,  
7.3026

367.0373,

 4.5083, 4.3898,

379.3920, 387.6696

3.5707

430.9266,  
445.8436, 457.1047

■ 1.9935, 1.8939,  
1.3929

■ 0.6303, 0.5447,  
0.1362

■ 85.5278, 87.4298,  
85.7666

■ 85.5278, 87.4298,  
85.7666

■ 77.5562, 76.7401,  
66.9137

94.4919, 99.2684,  
107.5285

■ 70.5356, 67.1536,  
50.8402

95.0500, 100.0000,  
108.9000

■ 64.4299, 58.6370,  
37.4145

■ 59.1986, 51.1516,  
26.4924

■ 54.7976, 44.6559,  
17.9156

■ 51.1788, 39.1055,  
11.5076

■ 48.2880, 34.4520,  
7.0664

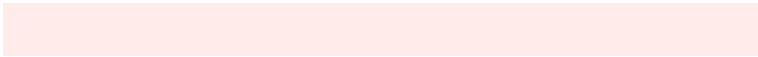
■ 46.0628, 30.6418,  
4.3509

■ 44.4922, 27.7644,  
3.0141

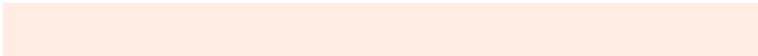
# Harmonies

## Analogous

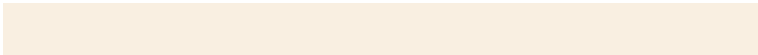
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9439, 87.4298, 90.2757



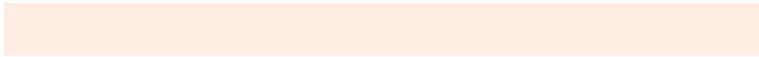
85.5278, 87.4298, 85.7666



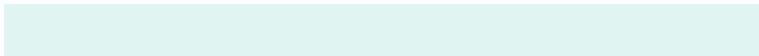
83.4790, 87.4298, 83.7890

# Triad

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



85.5278, 87.4298, 85.7666



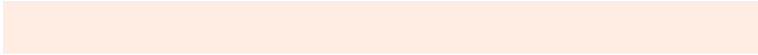
79.0145, 87.4298, 94.1147



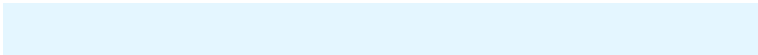
84.8603, 87.4298, 106.4581

# Complementary

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



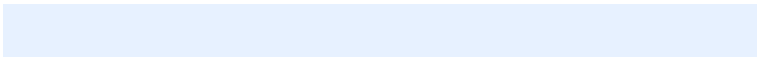
85.5278, 87.4298, 85.7666



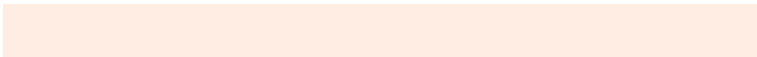
82.9999, 89.6231, 107.5322

# 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.



82.7209, 87.4298, 107.5944



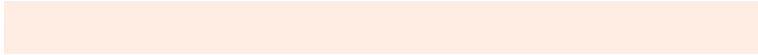
85.5278, 87.4298, 85.7666



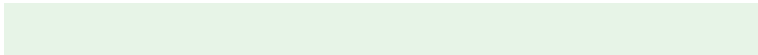
79.3699, 87.4298, 100.2923

# Square

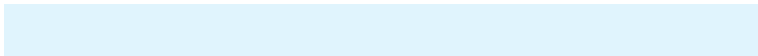
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5278, 87.4298, 85.7666



79.7381, 87.4298, 88.4729



80.7174, 87.4298, 105.2928

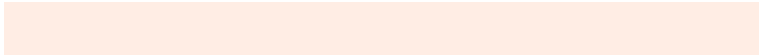


86.5539, 87.4298, 102.2517



# Rectangle

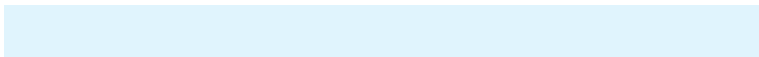
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5278, 87.4298, 85.7666



82.0395, 87.4298, 84.1073



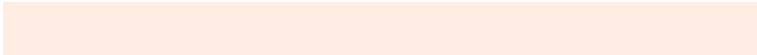
80.7174, 87.4298, 105.2928



84.1684, 87.4298, 107.2193

# Sweetspot

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



85.5298, 87.4334, 85.7684



92.2376, 96.3070, 102.0068



85.6185, 83.4016, 98.7748



19.5851, 20.4062, 21.4491



0.0000, 0.0000, 0.0000

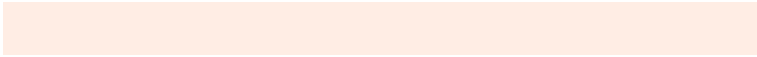


20.3446, 21.4041, 23.3091

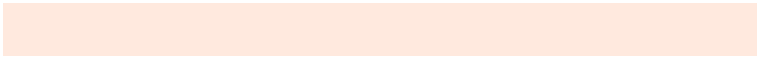


# Same Dimension

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



85.5298, 87.4334, 85.7684



83.5170, 84.7506, 80.9586



89.5851, 95.5441, 87.1202



18.5043, 18.9768, 18.8319



23.3701, 14.7514, 1.6156

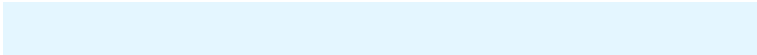


2.3711, 1.6276, 0.1892

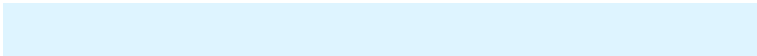


# Inverse Universe

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



82.9999, 89.6231, 107.5322



80.4621, 87.3935, 107.2356



79.0434, 81.7102, 106.2133



18.0146, 19.4007, 23.0452



17.0811, 19.0717, 52.2155

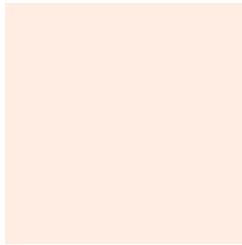


1.7637, 2.0581, 5.1176



# Previews

## White Background



This preview shows how the XYZ color 85.5278, 87.4298, 85.7666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

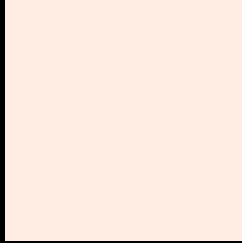
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.5278, 87.4298, 85.7666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

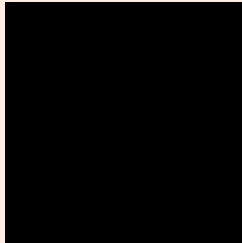
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.5278, 87.4298, 85.7666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.5278, 87.4298, 85.7666.



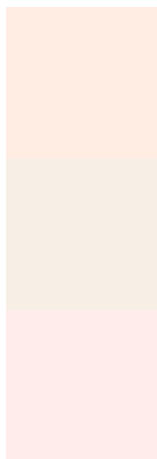
This preview shows how white text looks on a background with the XYZ color 85.5278, 87.4298,

85.7666.

# 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

85.5278, 87.4298, 85.7666

### Protanopia

83.3671, 87.1643, 86.5592

### Deuteranopia

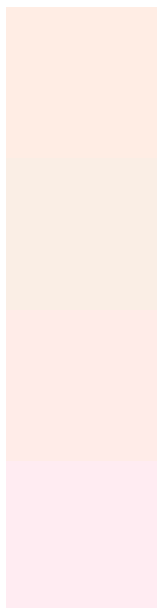
86.2308, 87.2491, 90.8932



## Tritanopia

88.2036, 87.5788, 102.6980

# Trichromacy



## Original Color

85.5278, 87.4298, 85.7666

## Protanomaly

84.1417, 87.1302, 86.5118

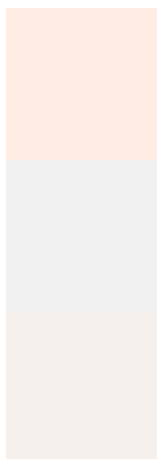
## Deuteranomaly

85.8009, 87.0771, 88.6293

## Tritanomaly

87.2625, 87.6617, 96.3256

# Monochromacy



## Original Color

85.5278, 87.4298, 85.7666

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.3064, 87.9691, 91.8932

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.5278, 87.4298, 85.7666 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, 237, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 228)  
}
```

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, 237, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 85.5278, 87.4298, 85.7666 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, 237, 228) }
```



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

```
.border{ border-color:rgb(255, 237, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.5278, 87.4298, 85.7666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 228) }
```

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

```
.background{ background-color: rgb(255,  
237, 228) }
```

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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