

Converting Colors

XYZ(85.5120, 88.0331, 83.7112)

Have a look what the booklet for
XYZ(85.5120, 88.0331, 83.7112)
contains.

XYZ(85.4051, 87.8453, 83.6887) 3
 Conversions 4
 Details 6
 Harmonies 12
 Previews 24
 Color Blindness Simulation 28
 CSS Examples 31

Color

**XYZ(85.4051, 87.8453,
83.6887)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEEE
RGB	255, 238, 225
RGB Percent	100%, 93%, 88%
CMY	0.0000, 0.0666, 0.1176
CMYK	0.00, 0.07, 0.12, 0.00
HSL	26°, 100%, 94%
HSV	26°, 12%, 100%
XYZ	85.4051, 87.8453, 83.6887
YIQ	241.6010, 14.3050, -0.4390

Conversions

Conversions Part 2

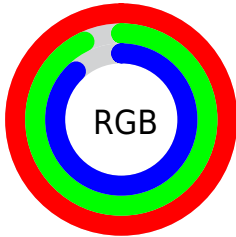
Format	Color
R_{YB}	255, 248, 225
Decimal	16772833
CIE _{Lab}	95.10, 3.63, 8.34
CIE _{LCh}	95, 9.095, 66.509
Yxy	87.8453, 0.3324, 0.3419
Android (android.graphics.Color)	4294962913 (0xFFFFEE1)
YUV	241.6010, -8.1843, 11.7509
Hunter-Lab	93.7258, -1.3669, 12.6675

Details

The XYZ color **85.4051, 87.8453, 83.6887** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.8527, 86.7295, 107.0868**, and the grayscale version is **84.1393, 88.5211, 96.3995**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2723, 48.3639, 44.8739** is the 20% darker color. If you saturate the color by 10%, you get **78.1449, 78.4823, 65.3687**, and if you desaturate by 10%, it is **93.5266, 98.0986, 104.8611**.

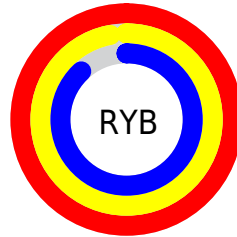
Distribution



Red (100%)

Green (93%)

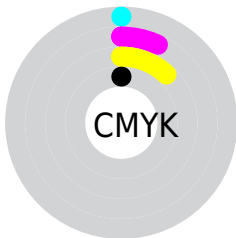
Blue (88%)



Red (100%)

Yellow (97%)

Blue (88%)

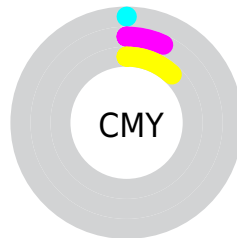


Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.4051, 87.8453, 83.6887 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 85.4051, 87.8453, 83.6887 by changing the saturation by 10% instead.


 85.4051, 87.8453,
83.6887

 85.4051, 87.8453,
83.6887


501.4311,
520.9965, 527.3099

 64.4998, 66.1950,
62.2146


139.8501,
144.3418, 140.3975

 47.3188, 48.4307,
44.7692

174.1205,
179.9567, 176.4692

 33.4967, 34.1681,
30.9340


213.5767,
220.9952, 218.2438

 22.6683, 23.0228,
20.2906

258.5840,
267.8418, 266.1399

 14.4681, 14.6103,
12.4203

309.5077,
320.8809, 320.5761

 8.5308, 8.5464,
6.9046

366.7132,

 4.4911, 4.4465,

380.4967, 381.9707

3.3250

430.5659,
447.0738, 450.7425

■ 1.9835, 1.9263,
1.2629

■ 0.6247, 0.5641,
0.0311

■ 85.4051, 87.8453,
83.6887

■ 85.4051, 87.8453,
83.6887

■ 78.1449, 78.4823,
65.3687

■ 93.5266, 98.0986,
104.8611

■ 71.7088, 69.9734,
49.7721

95.0500, 100.0000,
108.9000

■ 66.0662, 62.2962,
36.7680

■ 61.1817, 55.4230,
26.2126

■ 57.0171, 49.3243,
17.9477

■ 53.5300, 43.9683,
11.7966

■ 50.6727, 39.3204,
7.5558

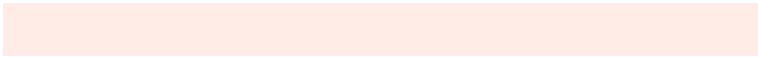
■ 48.3892, 35.3418,
4.9808

■ 46.8748, 32.5296,
3.8083

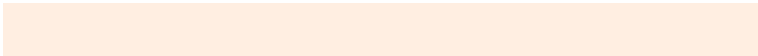
Harmonies

Analogous

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



87.3770, 87.8453, 87.7690



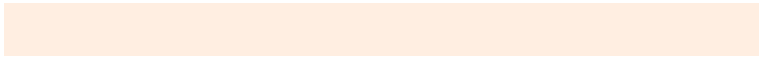
85.4051, 87.8453, 83.6887



82.9561, 87.8453, 82.7397

Triad

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



85.4051, 87.8453, 83.6887



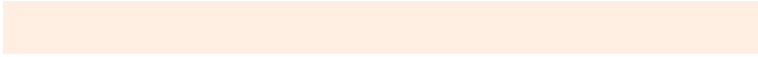
78.8560, 87.8453, 97.2016



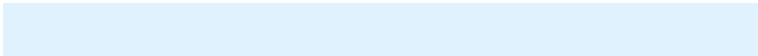
86.3570, 87.8453, 107.0235

Complementary

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



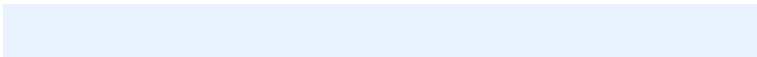
85.4051, 87.8453, 83.6887



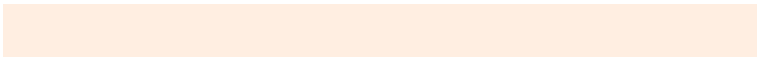
80.8527, 86.7295, 107.0868

Split Complementary

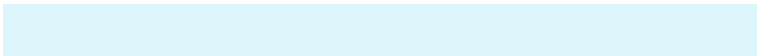
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0348, 87.8453, 109.8349



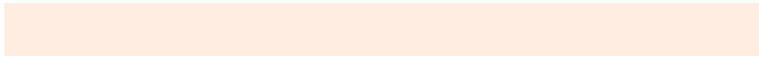
85.4051, 87.8453, 83.6887



79.7284, 87.8453, 103.9862

Square

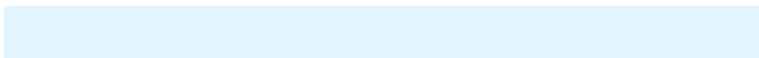
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4051, 87.8453, 83.6887



79.2066, 87.8453, 90.3196



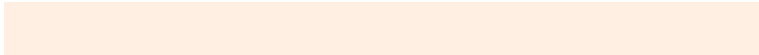
81.6123, 87.8453, 108.6969



87.9341, 87.8453, 101.1831

Rectangle

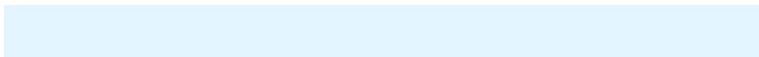
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.4051, 87.8453, 83.6887



81.3888, 87.8453, 83.9665



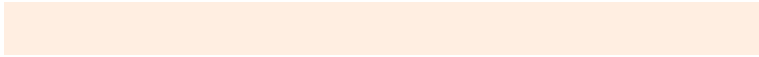
81.6123, 87.8453, 108.6969



85.6359, 87.8453, 108.3669

Sweetspot

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



85.4072, 87.8490, 83.6906



91.6352, 95.7289, 99.8740



84.1928, 81.5222, 95.3029



19.4796, 20.3215, 21.0251



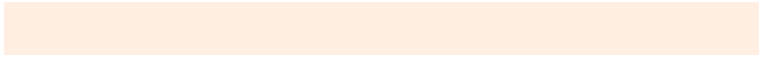
0.0000, 0.0000, 0.0000



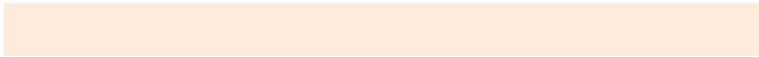
20.3446, 21.4041, 23.3091

Same Dimension

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



85.4072, 87.8490, 83.6906



83.7100, 85.6788, 79.3508



89.9562, 96.9470, 85.2069



18.6571, 19.2823, 18.8829



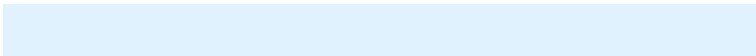
24.6350, 17.2812, 2.0372



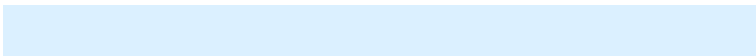
2.5048, 1.8950, 0.2337

Inverse Universe

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



80.8527, 86.7295, 107.0868



78.3739, 84.3668, 106.7614



76.5714, 78.1669, 105.6597



17.8570, 19.0857, 22.9927



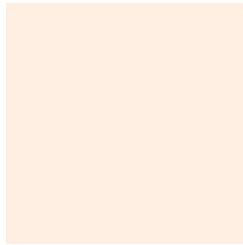
14.8302, 14.5700, 51.4652



1.5526, 1.6360, 5.0472

Previews

White Background



This preview shows how the XYZ color 85.4051, 87.8453, 83.6887 looks on a white background.

Color Contrast Check

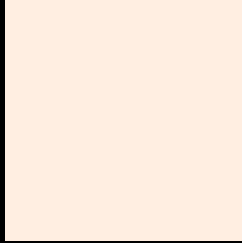
Large Text (above 18pt) WCAG AA × Fail

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 85.4051, 87.8453, 83.6887 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 85.4051, 87.8453, 83.6887

Background



This preview shows how black text looks on a background with the XYZ color 85.4051, 87.8453, 83.6887.



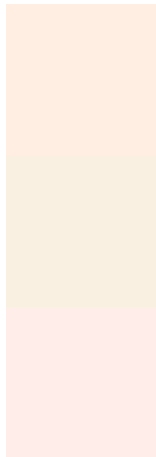
This preview shows how white text looks on a background with the XYZ color 85.4051, 87.8453,

83.6887.

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

85.4051, 87.8453, 83.6887

Protanopia

83.9545, 87.9509, 84.5029

Deuteranopia

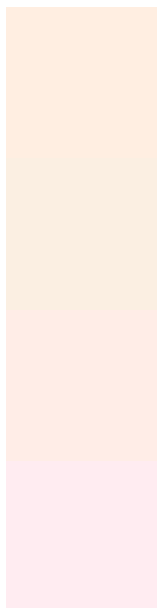
86.3755, 87.7689, 90.2305



Tritanopia

88.2036, 87.5788, 102.6980

Trichromacy



Original Color

85.4051, 87.8453, 83.6887

Protanomaly

84.3776, 87.7332, 84.4385

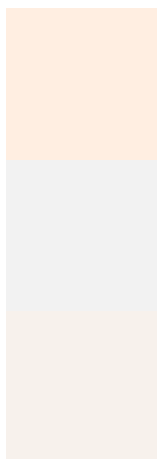
Deuteranomaly

85.9480, 87.5979, 87.9794

Tritanomaly

87.1126, 87.6018, 95.5366

Monochromacy



Original Color

85.4051, 87.8453, 83.6887

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.9534, 88.7409, 92.0081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4051, 87.8453, 83.6887 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, 238, 225) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 225)  
}
```

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, 238, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 225) }
```

Border

The CSS property to change the border of an element to XYZ 85.4051, 87.8453, 83.6887 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, 238, 225) }
```


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

```
.border{ border-color:rgb(255, 238, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4051, 87.8453, 83.6887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 225) }
```

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

```
.background{ background-color: rgb(255,  
238, 225) }
```

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