

Converting Colors

XYZ(99.9806, 95.7855, 80.9209)

Have a look what the booklet for
XYZ(99.9806, 95.7855, 80.9209)
contains.

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Color

**XYZ(85.0248, 88.1603,
80.2455)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFDC
RGB	255, 239, 220
RGB Percent	100%, 94%, 86%
CMY	0.0000, 0.0627, 0.1372
CMYK	0.00, 0.06, 0.14, 0.00
HSL	33°, 100%, 93%
HSV	33°, 14%, 100%
XYZ	85.0248, 88.1603, 80.2455
YIQ	241.6180, 15.6350, -2.5170

Conversions

Conversions Part 2

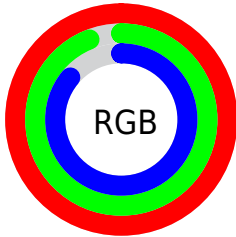
Format	Color
R _Y B	249, 255, 220
Decimal	16773084
CIE Lab	95.23, 2.34, 11.12
CIE LCh	95, 11.361, 78.132
Yxy	88.1603, 0.3355, 0.3479
Android (android.graphics.Color)	4294963164 (0xFFFFEFD0)
YUV	241.6180, -10.6577, 11.7360
Hunter-Lab	93.8937, -2.6746, 15.0539

Details

The XYZ color **85.0248, 88.1603, 80.2455** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5599, 82.4243, 106.4294**, and the grayscale version is **84.1709, 88.5543, 96.4356**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0137, 48.5894, 42.4981** is the 20% darker color. If you saturate the color by 10%, you get **78.5998, 80.3090, 62.6935**, and if you desaturate by 10%, it is **92.1890, 96.6650, 100.5877**.

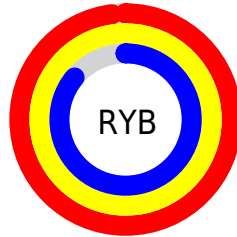
Distribution



Red (100%)

Green (94%)

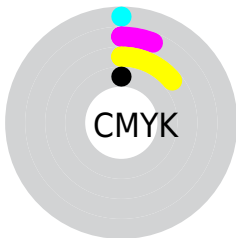
Blue (86%)



Red (98%)

Yellow (100%)

Blue (86%)

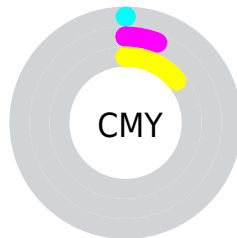


Cyan (0%)

Magenta (6%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0248, 88.1603, 80.2455 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 85.0248, 88.1603, 80.2455 by changing the saturation by 10% instead.


 85.0248, 88.1603,
80.2455

 85.0248, 88.1603,
80.2455


500.1926,
522.0280, 515.4884

 64.1844, 66.4558,
59.3930


139.3217,
144.7803, 135.5254

 47.0623, 48.6425,
42.5075


173.5089,
180.4646, 170.7898

 33.2931, 34.3360,
29.1704


212.8758,
221.5777, 211.6954

 22.5114, 23.1518,
18.9630

257.7877,
268.5039, 258.6606

 14.3518, 14.7057,
11.4670

308.6099,
321.6277, 312.1039

 8.4491, 8.6131,
6.2638

365.7079,

 4.4378, 4.4897,

381.3333, 372.4440

2.9348

429.4470,
448.0053, 440.0993

■ 1.9527, 1.9511,
1.0614

■ 0.6072, 0.5788,
0.0000

■ 85.0248, 88.1603,
80.2455

■ 85.0248, 88.1603,
80.2455

■ 78.5998, 80.3090,
62.6935

■ 92.1890, 96.6650,
100.5877

■ 72.8806, 73.0826,
47.8021

95.0500, 100.0000,
108.9000

■ 67.8399, 66.4662,
35.4401

■ 63.4462, 60.4402,
25.4622

■ 59.6648, 54.9835,
17.7088

■ 56.4572, 50.0734,
12.0000

■ 53.7795, 45.6844,
8.1275

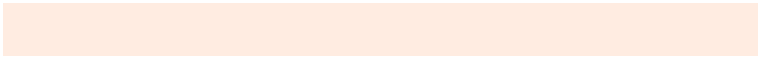
■ 51.5785, 41.7874,
5.8376

■ 50.3957, 39.5713,
4.9819

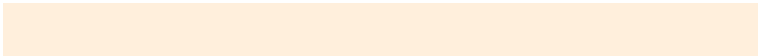
Harmonies

Analogous

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



87.8327, 88.1603, 83.8396



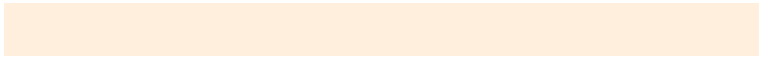
85.0248, 88.1603, 80.2455



81.9536, 88.1603, 80.6744

Triad

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



85.0248, 88.1603, 80.2455



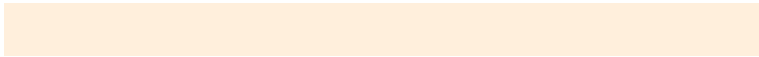
78.2592, 88.1603, 101.3992



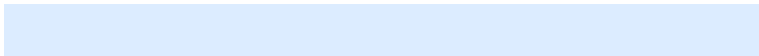
88.3084, 88.1603, 107.8339

Complementary

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



85.0248, 88.1603, 80.2455



77.5599, 82.4243, 106.4294

Split Complementary

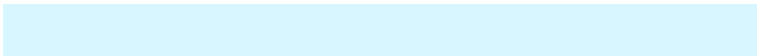
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6612, 88.1603, 113.1343



85.0248, 88.1603, 80.2455



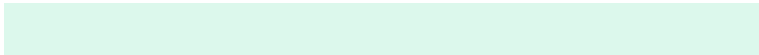
79.8805, 88.1603, 109.2645

Square

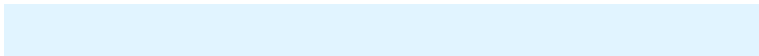
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0248, 88.1603, 80.2455



78.0984, 88.1603, 92.5256



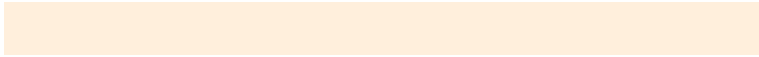
82.5746, 88.1603, 113.6735



89.7595, 88.1603, 99.5431

Rectangle

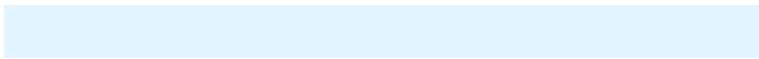
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0248, 88.1603, 80.2455



80.1691, 88.1603, 83.1879



82.5746, 88.1603, 113.6735



87.5260, 88.1603, 110.0459

Sweetspot

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



85.0268, 88.1640, 80.2474



91.9819, 96.4223, 99.9896



82.0226, 78.5229, 90.4451



19.5673, 20.4969, 21.0544



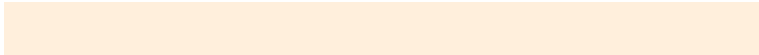
0.0000, 0.0000, 0.0000



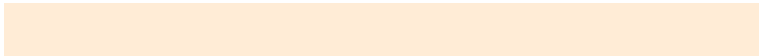
20.3446, 21.4041, 23.3091

Same Dimension

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



85.0268, 88.1640, 80.2474



83.5009, 86.3207, 76.0129



89.4906, 97.7268, 81.8579



18.8267, 19.6216, 18.9394



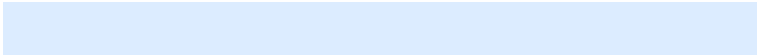
26.4841, 20.9794, 2.6536



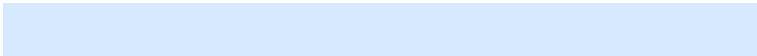
2.6879, 2.2613, 0.2948

Inverse Universe

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



77.5599, 82.4243, 106.4294



74.9351, 79.7365, 106.0489



73.5138, 73.8059, 104.9791



17.6869, 18.7454, 22.9360



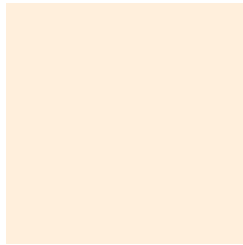
12.8721, 10.6539, 50.8126



1.3609, 1.2526, 4.9833

Previews

White Background



This preview shows how the XYZ color 85.0248, 88.1603, 80.2455 looks on a white background.

Color Contrast Check

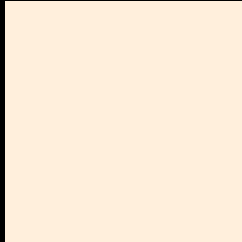
Large Text (above 18pt) WCAG AA × Fail

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 85.0248, 88.1603, 80.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

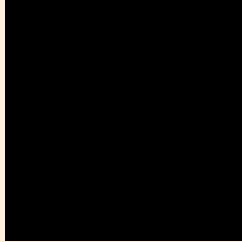
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.0248, 88.1603, 80.2455

Background



This preview shows how black text looks on a background with the XYZ color 85.0248, 88.1603, 80.2455.



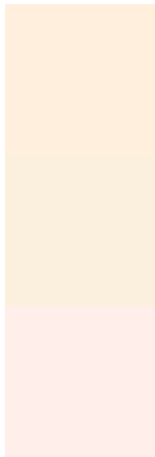
This preview shows how white text looks on a background with the XYZ color 85.0248, 88.1603,

80.2455.

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

85.0248, 88.1603, 80.2455

Protanopia

83.6356, 87.8646, 80.9581

Deuteranopia

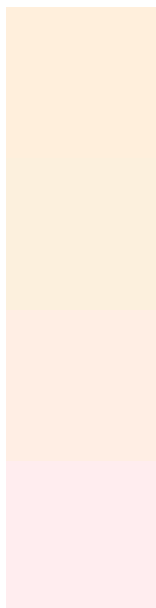
86.5225, 88.2923, 89.5727



Tritanopia

88.4908, 88.1530, 102.7938

Trichromacy



Original Color

85.0248, 88.1603, 80.2455

Protanomaly

84.3561, 88.2361, 80.9918

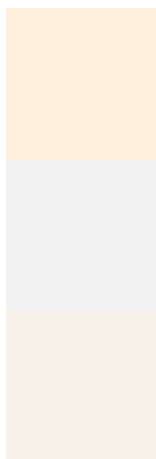
Deuteranomaly

85.8181, 88.0105, 85.8634

Tritanomaly

87.1042, 88.0604, 94.0678

Monochromacy



Original Color

85.0248, 88.1603, 80.2455

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.6644, 88.6253, 90.4860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0248, 88.1603, 80.2455 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, 239, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 220)  
}
```

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, 239, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 220) }
```

Border

The CSS property to change the border of an element to XYZ 85.0248, 88.1603, 80.2455 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, 239, 220) }
```


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

```
.border{ border-color:rgb(255, 239, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0248, 88.1603, 80.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 220) }
```

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

```
.background{ background-color: rgb(255,  
239, 220) }
```

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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