

Converting Colors

XYZ(80.2577, 82.9670, 65.6402)

Have a look what the booklet for XYZ(80.2577, 82.9670, 65.6402) contains.

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Color

**XYZ(80.4054, 83.0967,
65.8343)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8C7
RGB	255, 232, 199
RGB Percent	100%, 91%, 78%
CMY	0.0000, 0.0902, 0.2196
CMYK	0.00, 0.09, 0.22, 0.00
HSL	35°, 100%, 89%
HSV	35°, 22%, 100%
XYZ	80.4054, 83.0967, 65.8343
YIQ	235.1150, 24.3010, -5.3870

Conversions

Conversions Part 2

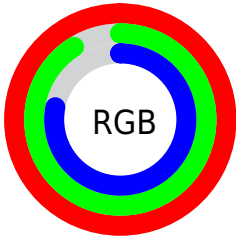
Format	Color
R _Y B	238, 255, 199
Decimal	16771271
CIE Lab	93.06, 2.81, 18.91
CIE LCh	93, 19.117, 81.550
Yxy	83.0967, 0.3506, 0.3623
Android (android.graphics.Color)	4294961351 (0xFFFFE8C7)
YUV	235.1150, -17.8047, 17.4391
Hunter-Lab	91.1574, -2.0795, 20.9907

Details

The XYZ color **80.4054, 83.0967, 65.8343** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.7238, 71.6026, 104.8590**, and the grayscale version is **79.1733, 83.2964, 90.7098**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9249, 45.1008, 33.1783** is the 20% darker color. If you saturate the color by 10%, you get **74.8296, 76.2927, 50.5723**, and if you desaturate by 10%, it is **86.6570, 90.4577, 83.7712**.

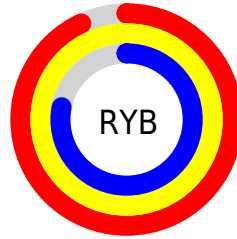
Distribution



Red (100%)

Green (91%)

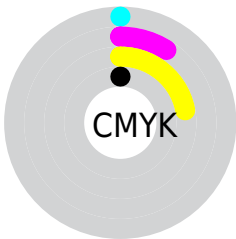
Blue (78%)



Red (93%)

Yellow (100%)

Blue (78%)

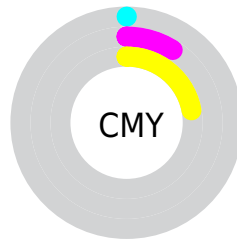


Cyan (0%)

Magenta (9%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4054, 83.0967, 65.8343 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 80.4054, 83.0967, 65.8343 by changing the saturation by 10% instead.


 80.4054, 83.0967,
65.8343

 80.4054, 83.0967,
65.8343


485.0138,
505.3087, 464.1721

 60.3616, 62.2699,
47.6823


132.8831,
137.7109, 114.8732

 43.9608, 45.2508,
33.2171


166.0477,
172.2671, 146.5972

 30.8374, 31.6551,
22.0204


204.3167,
212.1686, 183.6822

 20.6263, 21.0982,
13.6734

248.0553,
257.7997, 226.5468

 12.9620, 13.1958,
7.7577

297.6290,
309.5449, 275.6096

 7.4792, 7.5635,
3.8548

353.4030,

 3.8125, 3.8169,

367.7885, 331.2890

1.5460

415.7428,
432.9150, 394.0037

■ 1.5966, 1.5717,
0.2519

■ 0.3902, 0.3384,
0.0000

■ 80.4054, 83.0967,
65.8343

■ 80.4054, 83.0967,
65.8343

■ 74.8296, 76.2927,
50.5723

■ 86.6570, 90.4577,
83.7712

■ 69.8958, 70.0189,
37.8489

■ 93.6044, 98.3798,
104.4998

■ 65.5762, 64.2619,
27.5234

■ 95.0500, 100.0000,
108.9000

■ 61.8379, 59.0034,
19.4393

■ 58.6447, 54.2238,
13.4214

■ 55.9550, 49.9009,
9.2677

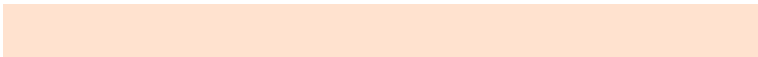
■ 53.7193, 46.0093,
6.7349

■ 52.1931, 43.1662,
5.5810

Harmonies

Analogous

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



85.1257, 83.0967, 70.5411



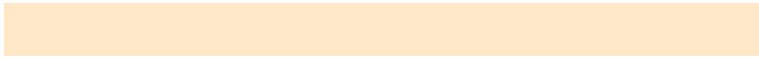
80.4054, 83.0967, 65.8343



75.4942, 83.0967, 67.1613

Triad

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



80.4054, 83.0967, 65.8343



70.3533, 83.0967, 100.9979



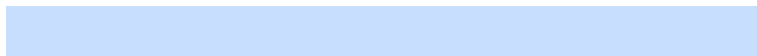
86.7702, 83.0967, 108.7465

Complementary

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



80.4054, 83.0967, 65.8343



67.7238, 71.6026, 104.8590

Split Complementary

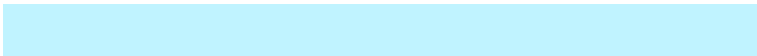
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5734, 83.0967, 118.6494



80.4054, 83.0967, 65.8343



73.1392, 83.0967, 113.8569

Square

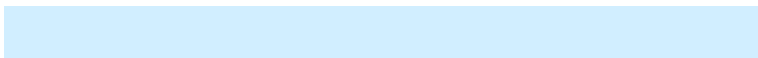
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4054, 83.0967, 65.8343



69.8279, 83.0967, 86.4831



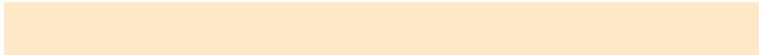
77.5734, 83.0967, 120.6123



88.9008, 83.0967, 94.5944

Rectangle

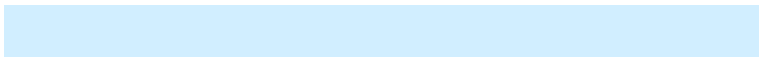
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4054, 83.0967, 65.8343



72.7605, 83.0967, 71.3570



77.5734, 83.0967, 120.6123



85.5461, 83.0967, 112.7422

Sweetspot

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



80.4074, 83.1003, 65.8360



90.0142, 94.3156, 93.6962



74.8936, 67.3996, 78.4046



19.1773, 20.0853, 19.7884



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.



80.4074, 83.1003, 65.8360



78.0746, 80.2848, 59.3551



85.6130, 96.0293, 68.0572



18.8993, 19.7667, 18.9636



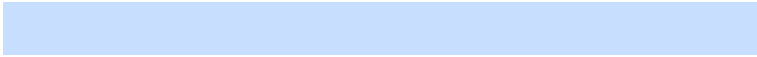
27.4227, 22.8566, 2.9664



2.7777, 2.4407, 0.3247

Inverse Universe

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



67.7238, 71.6026, 104.8590



63.4983, 67.0732, 104.2075



63.2849, 60.8583, 103.0191



17.6156, 18.6027, 22.9122



12.1938, 9.2971, 50.5864



1.2916, 1.1140, 4.9602

Previews

White Background



This preview shows how the XYZ color 80.4054, 83.0967, 65.8343 looks on a white background.

Color Contrast Check

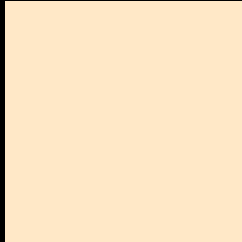
Large Text (above 18pt) WCAG AA × Fail

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 80.4054, 83.0967, 65.8343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

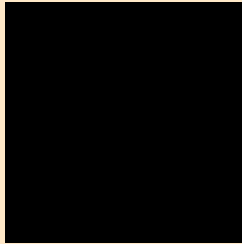
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.4054, 83.0967, 65.8343

Background



This preview shows how black text looks on a background with the XYZ color 80.4054, 83.0967, 65.8343.



This preview shows how white text looks on a background with the XYZ color 80.4054, 83.0967,

65.8343.

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

80.4054, 83.0967, 65.8343

Protanopia

78.4914, 83.3609, 66.5969

Deuteranopia

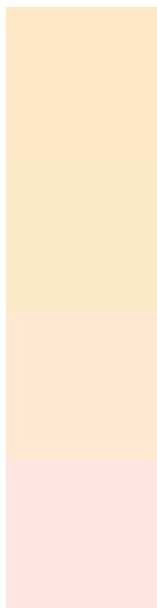
82.0612, 82.8634, 77.3148



Tritanopia

85.0104, 83.1576, 95.5749

Trichromacy



Original Color

80.4054, 83.0967, 65.8343

Protanomaly

79.2725, 83.3398, 66.5517

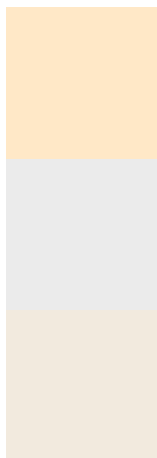
Deuteranomaly

81.4488, 83.0650, 72.7131

Tritanomaly

82.9868, 82.7896, 83.5576

Monochromacy



Original Color

80.4054, 83.0967, 65.8343

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.2256, 82.9968, 80.9516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4054, 83.0967, 65.8343 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, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 199)  
}
```

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, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 199) }
```

Border

The CSS property to change the border of an element to XYZ 80.4054, 83.0967, 65.8343 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, 232, 199) }
```


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

```
.border{ border-color:rgb(255, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4054, 83.0967, 65.8343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 199) }
```

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

```
.background{ background-color: rgb(255,  
232, 199) }
```

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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