

Converting Colors

XYZ(103.0700, 100.0000,
66.2653)

Have a look what the booklet for
XYZ(103.0700, 100.0000, 66.2653)
contains.

XYZ(83.5545, 89.9469, 65.1822)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.5545, 89.9469,
65.1822)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF4C4
RGB	255, 244, 196
RGB Percent	100%, 96%, 77%
CMY	0.0000, 0.0431, 0.2314
CMYK	0.00, 0.04, 0.23, 0.00
HSL	49°, 100%, 88%
HSV	49°, 23%, 100%
XYZ	83.5545, 89.9469, 65.1822
YIQ	241.8170, 21.9640, -12.5960

Conversions

Conversions Part 2

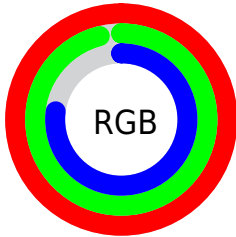
Format	Color
R_{YB}	210, 255, 196
Decimal	16774340
CIE Lab	95.97, -3.67, 24.50
CIE LCh	96, 24.774, 98.528
Yxy	89.9469, 0.3501, 0.3768
Android (android.graphics.Color)	4294964420 (0xFFFFF4C4)
YUV	241.8170, -22.5878, 11.5615
Hunter-Lab	94.8403, -8.7118, 25.6392

Details

The XYZ color **83.5545, 89.9469, 65.1822** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.1272, 63.5795, 103.5527**, and the grayscale version is **84.4161, 88.8123, 96.7166**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **46.1544, 49.9252, 32.7951** is the 20% darker color. If you saturate the color by 10%, you get **79.4844, 86.0636, 50.7023**, and if you desaturate by 10%, it is **88.1591, 94.1091, 82.2762**.

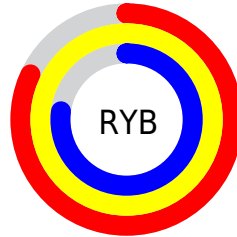
Distribution



Red (100%)

Green (96%)

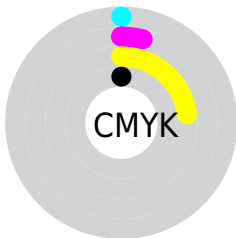
Blue (77%)



Red (82%)

Yellow (100%)

Blue (77%)

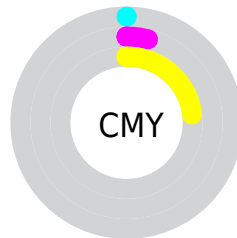


Cyan (0%)

Magenta (4%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.5545, 89.9469, 65.1822 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 83.5545, 89.9469, 65.1822 by changing the saturation by 10% instead.


 83.5545, 89.9469,
65.1822

 83.5545, 89.9469,
65.1822


495.3887,
527.8581, 461.7705

 62.9662, 67.9366,
47.1566


137.2763,
147.2646, 113.9275

 46.0724, 49.8462,
32.8042


171.1405,
183.3409, 145.4843

 32.5078, 35.2912,
21.7066


210.1606,
224.8745, 182.3886

 21.9071, 23.8873,
13.4452

254.7021,
272.2500, 225.0588

 13.9049, 15.2500,
7.6015

305.1303,
325.8517, 273.9136

 8.1358, 8.9950,
3.7570

361.8106,

 4.2345, 4.7379,

386.0640, 329.3714

1.4930

425.1083,
453.2714, 391.8509

■ 1.8356, 2.0943,
0.2127

■ 0.5390, 0.6614,
0.0000

■ 83.5545, 89.9469,
65.1822

■ 83.5545, 89.9469,
65.1822

■ 79.4844, 86.0636,
50.7023

■ 88.1591, 94.1091,
82.2762

■ 75.9173, 82.4369,
38.6995

■ 93.3152, 98.5483,
102.1008

■ 72.8277, 79.0594,
29.0328

95.0500, 100.0000,
108.9000

■ 70.1856, 75.9185,
21.5447

■ 67.9572, 73.0003,
16.0583

■ 66.1032, 70.2886,
12.3687

■ 64.5761, 67.7640,
10.2274

■ 63.6702, 66.1204,
9.4067

Harmonies

Analogous

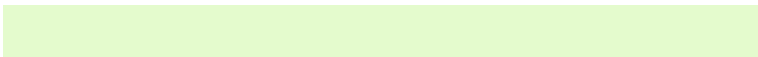
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4020, 89.9469, 66.8737



83.5545, 89.9469, 65.1822



77.5509, 89.9469, 71.3033

Triad

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



83.5545, 89.9469, 65.1822



75.6009, 89.9469, 123.3491



98.3375, 89.9469, 112.3967

Complementary

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



83.5545, 89.9469, 65.1822



63.1272, 63.5795, 103.5527

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.



93.9571, 89.9469, 130.4926



83.5545, 89.9469, 65.1822



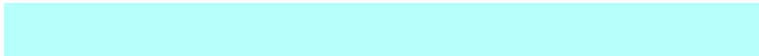
80.7628, 89.9469, 137.3800

Square

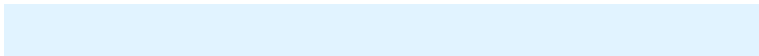
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5545, 89.9469, 65.1822



73.1222, 89.9469, 103.6348



87.4589, 89.9469, 140.1553



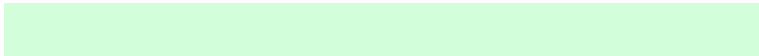
99.1832, 89.9469, 92.4518

Rectangle

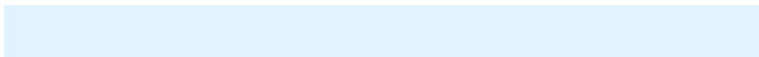
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5545, 89.9469, 65.1822



74.7480, 89.9469, 79.5418



87.4589, 89.9469, 140.1553



97.2188, 89.9469, 118.9695

Sweetspot

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



83.5566, 89.9508, 65.1841



91.2561, 96.7993, 94.1101



72.3411, 65.2851, 68.3351



19.4653, 20.6614, 19.8844



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

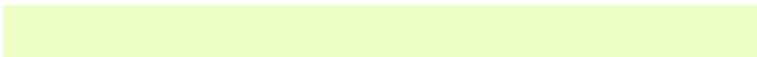
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5566, 89.9508, 65.1841



81.5114, 88.0270, 57.8227



80.7495, 93.5619, 66.0291



19.2565, 20.4813, 19.0827



33.3724, 34.7560, 4.9497



3.3204, 3.5261, 0.5056

Inverse Universe

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



63.1272, 63.5795, 103.5527



57.6661, 57.2502, 102.6188



65.4349, 60.9520, 102.9239



17.2768, 17.9252, 22.7993



10.0515, 5.0125, 49.8723



1.0483, 0.6273, 4.8791

Previews

White Background



This preview shows how the XYZ color 83.5545, 89.9469, 65.1822 looks on a white background.

Color Contrast Check

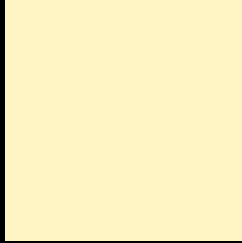
Large Text (above 18pt) WCAG AA × Fail

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 83.5545, 89.9469, 65.1822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

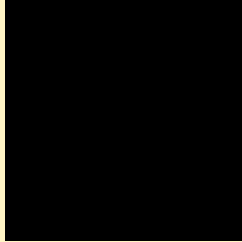
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5545, 89.9469, 65.1822

Background



This preview shows how black text looks on a background with the XYZ color 83.5545, 89.9469, 65.1822.



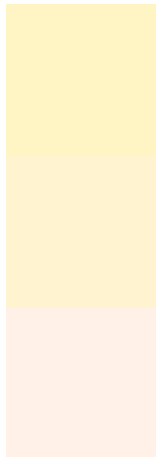
This preview shows how white text looks on a background with the XYZ color 83.5545, 89.9469,

65.1822.

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

83.5545, 89.9469, 65.1822

Protanopia

84.6758, 89.9153, 72.5670

Deuteranopia

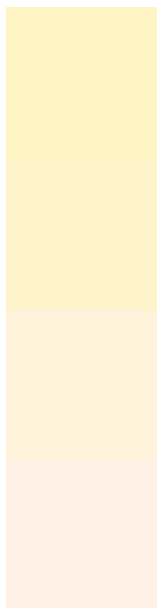
87.2608, 89.9968, 89.1159



Tritanopia

89.3618, 89.8951, 103.0841

Trichromacy



Original Color

83.5545, 89.9469, 65.1822

Protanomaly

84.1897, 89.7208, 70.0073

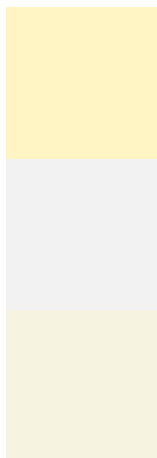
Deuteranomaly

85.7783, 89.8787, 79.8452

Tritanomaly

86.9782, 89.8838, 87.6280

Monochromacy



Original Color

83.5545, 89.9469, 65.1822

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9990, 89.3116, 84.0458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5545, 89.9469, 65.1822 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, 244, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 196)  
}
```

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, 244, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 196) }
```

Border

The CSS property to change the border of an element to XYZ 83.5545, 89.9469, 65.1822 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, 244, 196) }
```


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

```
.border{ border-color:rgb(255, 244, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5545, 89.9469, 65.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 196) }
```

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

```
.background{ background-color: rgb(255,  
244, 196) }
```

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