

Converting Colors

XYZ(83.4081, 89.5903, 65.3302)

Have a look what the booklet for
XYZ(83.4081, 89.5903, 65.3302)
contains.

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Color

**XYZ(83.2544, 89.3467,
65.0822)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3C4
RGB	255, 243, 196
RGB Percent	100%, 95%, 77%
CMY	0.0000, 0.0470, 0.2314
CMYK	0.00, 0.05, 0.23, 0.00
HSL	48°, 100%, 88%
HSV	48°, 23%, 100%
XYZ	83.2544, 89.3467, 65.0822
YIQ	241.2300, 22.2390, -12.0730

Conversions

Conversions Part 2

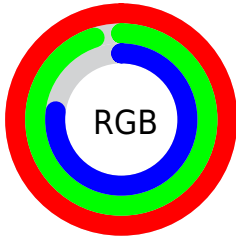
Format	Color
R_{YB}	211, 255, 196
Decimal	16774084
CIE _{Lab}	95.73, -3.17, 24.16
CIE _{LCh}	96, 24.364, 97.480
Yxy	89.3467, 0.3503, 0.3759
Android (android.graphics.Color)	4294964164 (0xFFFFF3C4)
YUV	241.2300, -22.2984, 12.0763
Hunter-Lab	94.5234, -8.1965, 25.3434

Details

The XYZ color **83.2544, 89.3467, 65.0822** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.3703, 64.0657, 103.6337**, and the grayscale version is **83.9500, 88.3219, 96.1826**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **45.9415, 49.4994, 32.7241** is the 20% darker color. If you saturate the color by 10%, you get **79.0662, 85.2271, 50.5629**, and if you desaturate by 10%, it is **87.9841, 93.7591, 82.2179**.

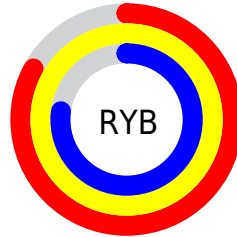
Distribution



Red (100%)

Green (95%)

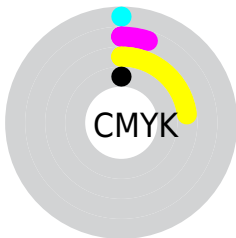
Blue (77%)



Red (83%)

Yellow (100%)

Blue (77%)

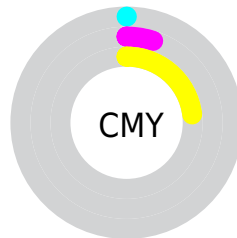


Cyan (0%)

Magenta (5%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2544, 89.3467, 65.0822 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 83.2544, 89.3467, 65.0822 by changing the saturation by 10% instead.


 83.2544, 89.3467,
65.0822

 83.2544, 89.3467,
65.0822


494.4051,
525.9034, 461.4016

 62.7177, 67.4389,
47.0760


136.8584,
146.4306, 113.7824

 45.8706, 49.4414,
32.7409


170.6563,
182.3755, 145.3135

 32.3479, 34.9698,
21.6586


209.6054,
223.7683, 182.1900

 21.7842, 23.6396,
13.4103

254.0710,
270.9933, 224.8303

 13.8142, 15.0665,
7.5777

304.4184,
324.4349, 273.6531

 8.0724, 8.8661,
3.7420

361.0130,

 4.1935, 4.6539,

384.4775, 329.0769

1.4849

424.2201,
451.5055, 391.5202

■ 1.8122, 2.0457,
0.2067

■ 0.5250, 0.6338,
0.0000

■ 83.2544, 89.3467,
65.0822

■ 83.2544, 89.3467,
65.0822

■ 79.0662, 85.2271,
50.5629

■ 87.9841, 93.7591,
82.2179

■ 75.3877, 81.3778,
38.5230

■ 93.2723, 98.4625,
102.0865

■ 72.1936, 77.7913,
28.8215

95.0500, 100.0000,
108.9000

■ 69.4538, 74.4548,
21.3008

■ 67.1341, 71.3541,
15.7839

■ 65.1954, 68.4730,
12.0661

■ 63.5900, 65.7918,
9.8987

■ 62.6341, 64.0481,
9.0614

Harmonies

Analogous

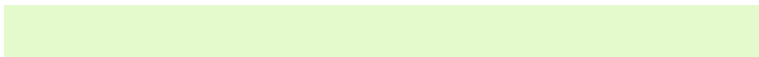
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9541, 89.3467, 67.0137



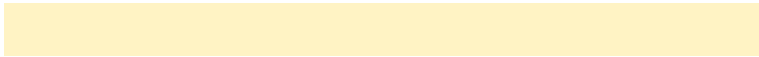
83.2544, 89.3467, 65.0822



77.3175, 89.3467, 70.8323

Triad

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



83.2544, 89.3467, 65.0822



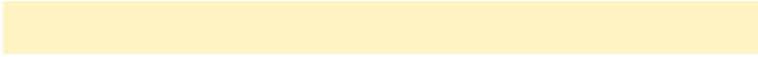
75.0983, 89.3467, 121.5176



97.3926, 89.3467, 112.1170

Complementary

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



83.2544, 89.3467, 65.0822



63.3703, 64.0657, 103.6337

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.



93.0081, 89.3467, 129.6146



83.2544, 89.3467, 65.0822



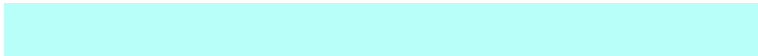
80.0799, 89.3467, 135.5208

Square

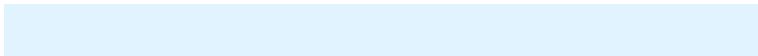
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2544, 89.3467, 65.0822



72.7724, 89.3467, 102.1686



86.6104, 89.3467, 138.6638



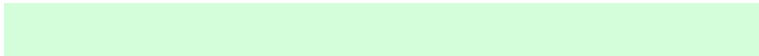
98.3524, 89.3467, 92.5564

Rectangle

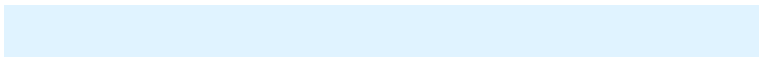
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2544, 89.3467, 65.0822



74.5103, 89.3467, 78.7580



86.6104, 89.3467, 138.6638



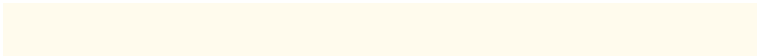
96.2597, 89.3467, 118.5072

Sweetspot

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



83.2565, 89.3506, 65.0841



91.1613, 96.6098, 94.0786



72.4624, 65.3336, 68.9735



19.4433, 20.6174, 19.8770



0.0000, 0.0000, 0.0000



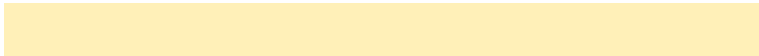
20.3446, 21.4041, 23.3091

Same Dimension

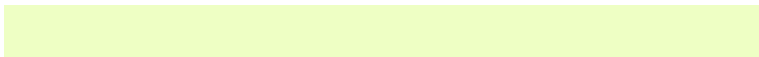
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2565, 89.3506, 65.0841



81.1530, 87.3102, 57.7032



81.0793, 93.7319, 66.0445



19.2292, 20.4265, 19.0736



32.8373, 33.6859, 4.7713



3.2728, 3.4310, 0.4898

Inverse Universe

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



63.3703, 64.0657, 103.6337



57.9418, 57.8017, 102.7107



65.1493, 60.8048, 102.9105



17.3020, 17.9757, 22.8077



10.1531, 5.2157, 49.9062



1.0617, 0.6541, 4.8836

Previews

White Background



This preview shows how the XYZ color 83.2544, 89.3467, 65.0822 looks on a white background.

Color Contrast Check

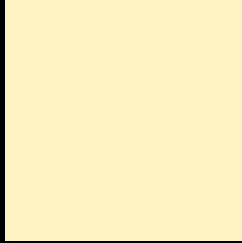
Large Text (above 18pt) WCAG AA × Fail

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 83.2544, 89.3467, 65.0822 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 83.2544, 89.3467, 65.0822

Background



This preview shows how black text looks on a background with the XYZ color 83.2544, 89.3467, 65.0822.



This preview shows how white text looks on a background with the XYZ color 83.2544, 89.3467,

65.0822.

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

83.2544, 89.3467, 65.0822

Protanopia

84.0116, 89.1720, 70.5416

Deuteranopia

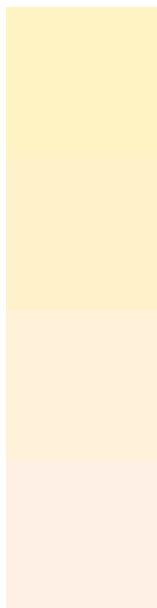
86.8239, 89.3497, 88.2714



Tritanopia

88.9134, 89.2486, 102.1630

Trichromacy



Original Color

83.2544, 89.3467, 65.0822

Protanomaly

83.6528, 89.0285, 68.6524

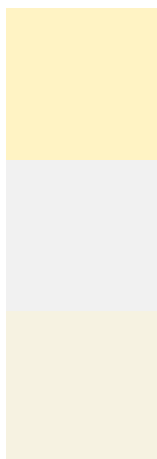
Deuteranomaly

85.3502, 89.2325, 79.0548

Tritanomaly

86.6830, 89.2933, 87.5296

Monochromacy



Original Color

83.2544, 89.3467, 65.0822

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.3488, 88.5333, 83.9299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2544, 89.3467, 65.0822 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, 243, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 196) }
```

Border

The CSS property to change the border of an element to XYZ 83.2544, 89.3467, 65.0822 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, 243, 196) }
```


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

```
.border{ border-color:rgb(255, 243, 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, 243, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2544, 89.3467, 65.0822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 196) }
```

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

```
.background{ background-color: rgb(255,  
243, 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](#).

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