

Converting Colors

XYZ(106.0659, 100.0000,
77.0414)

Have a look what the booklet for
XYZ(106.0659, 100.0000, 77.0414)
contains.

XYZ(84.8329, 89.0256, 76.3308)	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(84.8329, 89.0256,
76.3308)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF1D6
RGB	255, 241, 214
RGB Percent	100%, 95%, 84%
CMY	0.0000, 0.0549, 0.1608
CMYK	0.00, 0.05, 0.16, 0.00
HSL	40°, 100%, 92%
HSV	40°, 16%, 100%
XYZ	84.8329, 89.0256, 76.3308
YIQ	242.1080, 17.0110, -5.4290

Conversions

Conversions Part 2

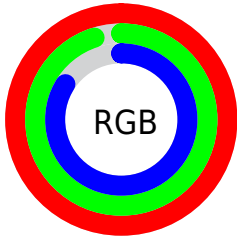
Format	Color
R_{YB}	235, 255, 214
Decimal	16773590
CIE _{Lab}	95.59, 0.41, 14.73
CIE _{LCh}	96, 14.736, 88.404
Yxy	89.0256, 0.3391, 0.3558
Android (android.graphics.Color)	4294963670 (0xFFFFF1D6)
YUV	242.1080, -13.8572, 11.3063
Hunter-Lab	94.3534, -4.6295, 18.0824

Details

The XYZ color **84.8329, 89.0256, 76.3308** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.5243, 77.0008, 105.5952**, and the grayscale version is **84.5822, 88.9871, 96.9069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8957, 49.2069, 39.8271** is the 20% darker color. If you saturate the color by 10%, you get **79.3131, 82.7961, 59.6621**, and if you desaturate by 10%, it is **90.9898, 95.7128, 95.7294**.

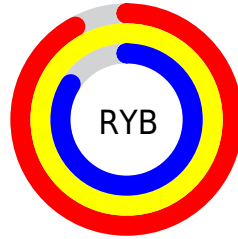
Distribution



Red (100%)

Green (95%)

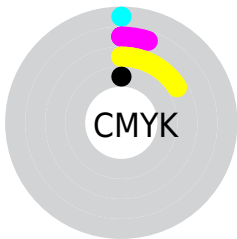
Blue (84%)



Red (92%)

Yellow (100%)

Blue (84%)

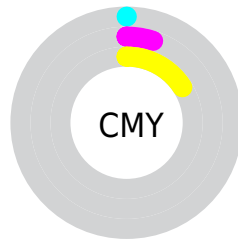


Cyan (0%)

Magenta (5%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8329, 89.0256, 76.3308 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 84.8329, 89.0256, 76.3308 by changing the saturation by 10% instead.


 84.8329, 89.0256,
76.3308

 84.8329, 89.0256,
76.3308


499.5670,
524.8560, 501.8563

 64.0253, 67.1728,
56.1955

139.0549,
145.9842, 129.9588

 46.9330, 49.2250,
39.9547


173.2001,
181.8587, 164.2885

 33.1904, 34.7980,
27.1897


212.5219,
223.1759, 204.1869

 22.4323, 23.5073,
17.4820

257.3856,
270.3202, 250.0724

 14.2932, 14.9686,
10.4132

308.1566,
323.6760, 302.3635

 8.4080, 8.7973,
5.5646

365.2003,

 4.4111, 4.6092,

383.6276, 361.4788

2.5177

428.8819,
450.5595, 427.8369

■ 1.9372, 2.0199,
0.8495

■ 0.5983, 0.6190,
0.0000

■ 84.8329, 89.0256,
76.3308

■ 84.8329, 89.0256,
76.3308

■ 79.3131, 82.7961,
59.6621

■ 90.9898, 95.7128,
95.7294

■ 74.3989, 77.0001,
45.5925

95.0500, 100.0000,
108.9000

■ 70.0651, 71.6278,
33.9888

■ 66.2820, 66.6644,
24.7039

■ 63.0170, 62.0940,
17.5745

■ 60.2333, 57.8988,
12.4161

■ 57.8881, 54.0588,
9.0128

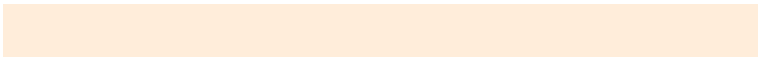
■ 55.9287, 50.5497,
7.0965

■ 55.2355, 49.2510,
6.5952

Harmonies

Analogous

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



88.7564, 89.0256, 79.1734



84.8329, 89.0256, 76.3308



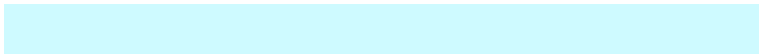
80.9704, 89.0256, 78.6327

Triad

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



84.8329, 89.0256, 76.3308



77.9581, 89.0256, 107.9193



91.4147, 89.0256, 109.0774

Complementary

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



84.8329, 89.0256, 76.3308



73.5243, 77.0008, 105.5952

Split Complementary

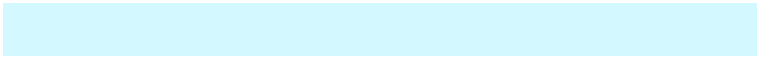
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3698, 89.0256, 117.8745



84.8329, 89.0256, 76.3308



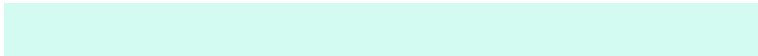
80.6067, 89.0256, 117.1694

Square

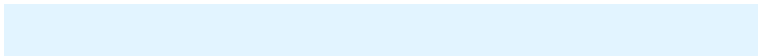
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8329, 89.0256, 76.3308



77.0779, 89.0256, 96.3149



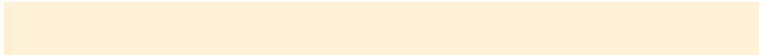
84.3998, 89.0256, 120.9458



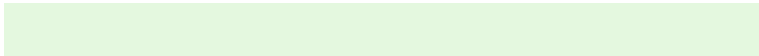
92.6306, 89.0256, 97.5553

Rectangle

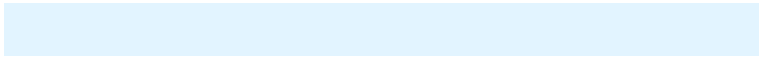
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8329, 89.0256, 76.3308



78.9324, 89.0256, 82.8867



84.3998, 89.0256, 120.9458



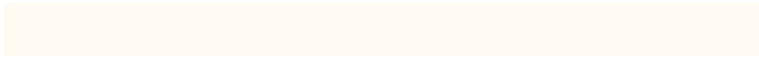
90.5664, 89.0256, 112.4844

Sweetspot

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



84.8350, 89.0294, 76.3327



91.6919, 96.4605, 97.9875



79.3394, 74.9750, 83.9447



19.5277, 20.5420, 20.6574



0.0000, 0.0000, 0.0000



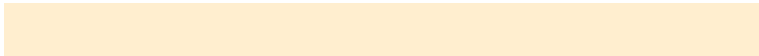
20.3446, 21.4041, 23.3091

Same Dimension

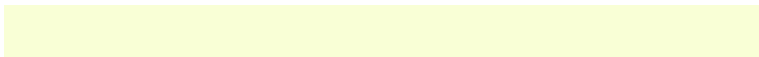
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8350, 89.0294, 76.3327



83.1569, 87.1618, 71.1845



86.9114, 96.4874, 77.6628



19.0085, 19.9853, 19.0000



29.0059, 26.0231, 3.4942



2.9258, 2.7369, 0.3741

Inverse Universe

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



73.5243, 77.0008, 105.5952



70.0676, 73.2427, 105.0520



71.6581, 70.5534, 104.4491



17.5098, 18.3912, 22.8769



11.3379, 7.5853, 50.3011



1.2007, 0.9320, 4.9299

Previews

White Background



This preview shows how the XYZ color 84.8329, 89.0256, 76.3308 looks on a white background.

Color Contrast Check

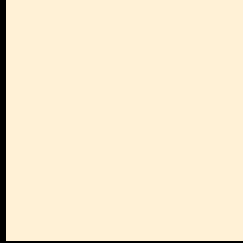
Large Text (above 18pt) WCAG AA × Fail

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 84.8329, 89.0256, 76.3308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

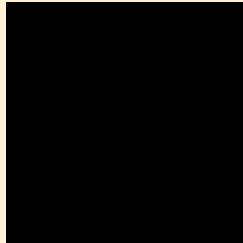
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.8329, 89.0256, 76.3308

Background



This preview shows how black text looks on a background with the XYZ color 84.8329, 89.0256, 76.3308.



This preview shows how white text looks on a background with the XYZ color 84.8329, 89.0256,

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

84.8329, 89.0256, 76.3308

Protanopia

84.3977, 89.2419, 76.3955

Deuteranopia

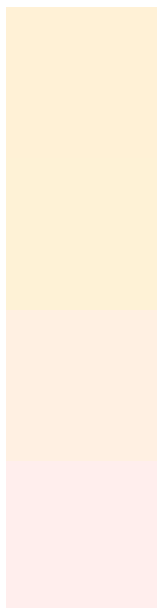
86.8145, 88.8762, 89.6700



Tritanopia

88.7795, 88.7305, 102.8900

Trichromacy



Original Color

84.8329, 89.0256, 76.3308

Protanomaly

84.7628, 89.4301, 76.4126

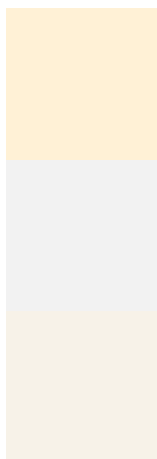
Deuteranomaly

86.1276, 89.0712, 84.6046

Tritanomaly

87.1006, 88.5235, 92.6168

Monochromacy



Original Color

84.8329, 89.0256, 76.3308

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.6754, 89.1046, 89.0800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8329, 89.0256, 76.3308 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, 241, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 214)  
}
```

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, 241, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 214) }
```

Border

The CSS property to change the border of an element to XYZ 84.8329, 89.0256, 76.3308 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, 241, 214) }
```


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

```
.border{ border-color:rgb(255, 241, 214) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8329, 89.0256, 76.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 214) }
```

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

```
.background{ background-color: rgb(255,  
241, 214) }
```

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