

Converting Colors

XYZ(84.6394, 91.0011, 68.9830)

Have a look what the booklet for
XYZ(84.6394, 91.0011, 68.9830)
contains.

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Color

**XYZ(84.5531, 90.8291,
68.9525)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5CA
RGB	255, 245, 202
RGB Percent	100%, 96%, 79%
CMY	0.0000, 0.0392, 0.2078
CMYK	0.00, 0.04, 0.21, 0.00
HSL	49°, 100%, 90%
HSV	49°, 21%, 100%
XYZ	84.5531, 90.8291, 68.9525
YIQ	243.0880, 19.7630, -11.2530

Conversions

Conversions Part 2

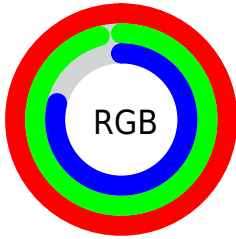
Format	Color
R _Y B	214, 255, 202
Decimal	16774602
CIE Lab	96.34, -3.35, 21.94
CIE LCh	96, 22.194, 98.671
Yxy	90.8291, 0.3461, 0.3717
Android (android.graphics.Color)	4294964682 (0xFFFFF5CA)
YUV	243.0880, -20.2564, 10.4468
Hunter-Lab	95.3043, -8.4190, 23.8168

Details

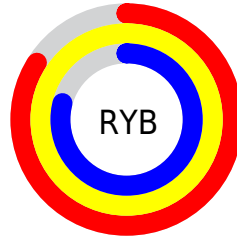
The XYZ color **84.5531, 90.8291, 68.9525** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9501, 66.8617, 104.0374**, and the grayscale version is **85.4085, 89.8564, 97.8536**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8316, 50.5391, 35.3037** is the 20% darker color. If you saturate the color by 10%, you get **80.3446, 86.8513, 53.8646**, and if you desaturate by 10%, it is **89.3026, 95.0900, 86.6844**.

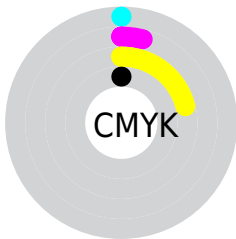
Distribution



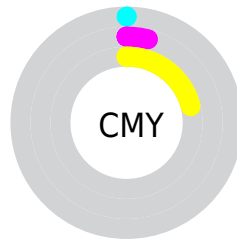
- Red (100%)
- Green (96%)
- Blue (79%)



- Red (84%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5531, 90.8291, 68.9525 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 84.5531, 90.8291, 68.9525 by changing the saturation by 10% instead.

84.5531, 90.8291,
68.9525

84.5531, 90.8291,
68.9525

498.6541,
530.7242, 475.5528

63.7934, 68.6685,
50.2015

138.6659,
148.4895, 119.3808

46.7444, 50.4418,
35.2012

172.7497,
184.7581, 151.8952

33.0408, 35.7646,
23.5331

212.0056,
226.4982, 189.8344

22.3171, 24.2524,
14.7787

256.7990,
274.0941, 233.6171

14.2080, 15.5210,
8.5193

307.4952,
327.9303, 283.6618

8.3481, 9.1858,
4.3365

364.4595,

4.3722, 4.8626,

388.3911, 340.3869

1.8117

428.0574,
455.8609, 404.2111

■ 1.9148, 2.1669,
0.4357

■ 0.5854, 0.7018,
0.0000

■ 84.5531, 90.8291,
68.9525

■ 84.5531, 90.8291,
68.9525

■ 80.3446, 86.8513,
53.8646

■ 89.3026, 95.0900,
86.6844

■ 76.6461, 83.1344,
41.2859

94.6099, 99.6318,
107.1747

■ 73.4326, 79.6711,
31.0784

95.0500, 100.0000,
108.9000

■ 70.6749, 76.4493,
23.0883

■ 68.3400, 73.4552,
17.1440

■ 66.3902, 70.6733,
13.0481

■ 64.7804, 68.0852,
10.5647

■ 63.5324, 65.8447,
9.3608

Harmonies

Analogous

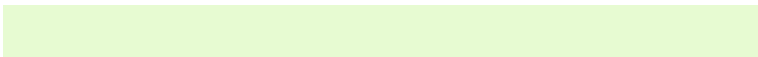
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7204, 90.8291, 70.4892



84.5531, 90.8291, 68.9525



79.1234, 90.8291, 74.6583

Triad

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



84.5531, 90.8291, 68.9525



77.3900, 90.8291, 121.6973



97.8668, 90.8291, 111.7855

Complementary

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



84.5531, 90.8291, 68.9525



65.9501, 66.8617, 104.0374

Split Complementary

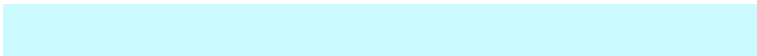
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9621, 90.8291, 127.8858



84.5531, 90.8291, 68.9525



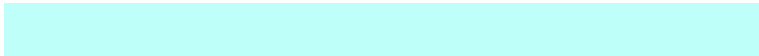
82.0842, 90.8291, 134.0661

Square

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



84.5531, 90.8291, 68.9525



75.1190, 90.8291, 104.1117



88.1323, 90.8291, 136.4564



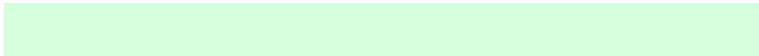
98.6051, 90.8291, 93.8603

Rectangle

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



84.5531, 90.8291, 68.9525



76.5823, 90.8291, 82.2529



88.1323, 90.8291, 136.4564



96.8724, 90.8291, 117.6484

Sweetspot

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



84.5553, 90.8330, 68.9544



91.7701, 97.2265, 96.1344



74.3208, 68.2859, 71.9494



19.5688, 20.7472, 20.2925



0.0000, 0.0000, 0.0000



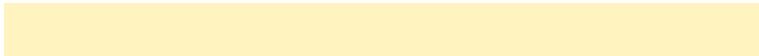
20.3446, 21.4041, 23.3091

Same Dimension

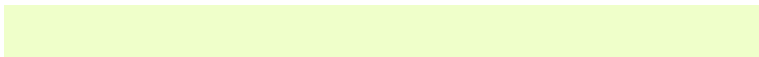
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5553, 90.8330, 68.9544



82.7158, 89.1212, 62.2771



82.0515, 94.1526, 69.7271



19.2529, 20.4741, 19.0815



33.3012, 34.6137, 4.9259



3.3141, 3.5135, 0.5035

Inverse Universe

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



65.9501, 66.8617, 104.0374



61.0188, 61.1688, 103.1985



68.0550, 64.3523, 103.4421



17.2801, 17.9318, 22.8004



10.0643, 5.0382, 49.8766



1.0500, 0.6308, 4.8797

Previews

White Background



This preview shows how the XYZ color 84.5531, 90.8291, 68.9525 looks on a white background.

Color Contrast Check

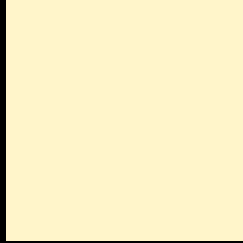
Large Text (above 18pt) WCAG AA × Fail

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 84.5531, 90.8291, 68.9525 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 84.5531, 90.8291, 68.9525

Background



This preview shows how black text looks on a background with the XYZ color 84.5531, 90.8291, 68.9525.



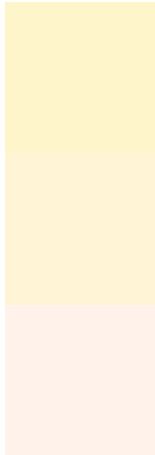
This preview shows how white text looks on a background with the XYZ color 84.5531, 90.8291,

68.9525.

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

84.5531, 90.8291, 68.9525

Protanopia

85.6009, 90.7655, 75.9586

Deuteranopia

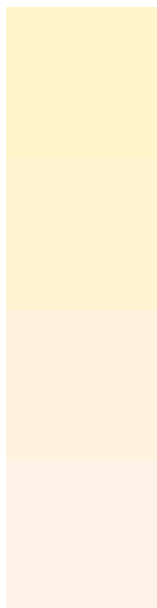
87.9875, 90.7624, 91.4787



Tritanopia

89.8127, 90.5452, 104.0101

Trichromacy



Original Color

84.5531, 90.8291, 68.9525

Protanomaly

85.0993, 90.5648, 73.3171

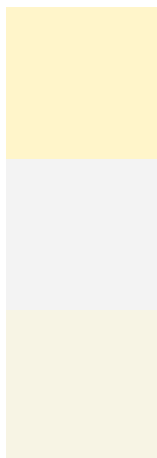
Deuteranomaly

86.6099, 90.6889, 82.7519

Tritanomaly

87.7001, 90.6475, 89.9652

Monochromacy



Original Color

84.5531, 90.8291, 68.9525

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.7120, 90.0770, 86.3206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5531, 90.8291, 68.9525 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, 245, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 202)  
}
```

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, 245, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 202) }
```

Border

The CSS property to change the border of an element to XYZ 84.5531, 90.8291, 68.9525 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, 245, 202) }
```


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

```
.border{ border-color:rgb(255, 245, 202) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5531, 90.8291, 68.9525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 202) }
```

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

```
.background{ background-color: rgb(255,  
245, 202) }
```

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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