

Converting Colors

XYZ(100.4530, 100.0000,
65.6668)

Have a look what the booklet for
XYZ(100.4530, 100.0000, 65.6668)
contains.

XYZ(84.3511, 91.7217, 64.8880)	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(84.3511, 91.7217,
64.8880)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7C3
RGB	255, 247, 195
RGB Percent	100%, 97%, 76%
CMY	0.0000, 0.0313, 0.2353
CMYK	0.00, 0.03, 0.24, 0.00
HSL	52°, 100%, 88%
HSV	52°, 24%, 100%
XYZ	84.3511, 91.7217, 64.8880
YIQ	243.4640, 21.4600, -14.4760

Conversions

Conversions Part 2

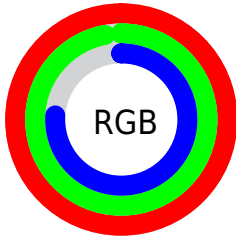
Format	Color
R_{YB}	204, 255, 195
Decimal	16775107
CIE Lab	96.71, -5.31, 26.02
CIE LCh	97, 26.552, 101.536
Yxy	91.7217, 0.3501, 0.3806
Android (android.graphics.Color)	4294965187 (0xFFFFF7C3)
YUV	243.4640, -23.8928, 10.1171
Hunter-Lab	95.7714, -10.3854, 26.8693

Details

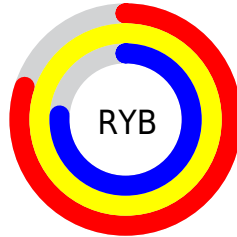
The XYZ color **84.3511, 91.7217, 64.8880** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.9111, 61.5322, 103.2216**, and the grayscale version is **85.7356, 90.2005, 98.2283**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **46.7272, 51.1905, 32.6173** is the 20% darker color. If you saturate the color by 10%, you get **80.6819, 88.6099, 50.6347**, and if you desaturate by 10%, it is **88.5361, 95.0764, 81.7445**.

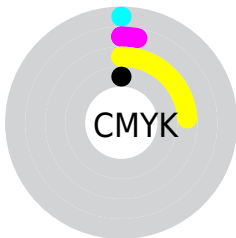
Distribution



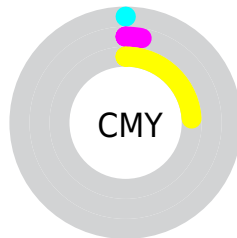
- Red (100%)
- Green (97%)
- Blue (76%)



- Red (80%)
- Yellow (100%)
- Blue (76%)



- Cyan (0%)
- Magenta (3%)
- Yellow (24%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.3511, 91.7217, 64.8880 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 84.3511, 91.7217, 64.8880 by changing the saturation by 10% instead.


 84.3511, 91.7217,
64.8880

 84.3511, 91.7217,
64.8880


497.9945,
533.6157, 460.6846

 63.6260, 69.4095,
46.9195


138.3849,
149.7276, 113.5006

 46.6084, 51.0453,
32.6181


172.4244,
186.1901, 144.9817

 32.9328, 36.2446,
21.5654


211.6327,
228.1382, 181.8041

 22.2340, 24.6232,
13.3426

256.3752,
275.9562, 224.3864

 14.1465, 15.7965,
7.5314

307.0173,
330.0286, 273.1470

 8.3050, 9.3803,
3.7132

363.9243,

 4.3442, 4.9901,

390.7397, 328.5046

1.4693

427.4616,
458.4739, 390.8776

■ 1.8986, 2.2414,
0.1949

■ 0.5760, 0.7424,
0.0000

■ 84.3511, 91.7217,
64.8880

■ 84.3511, 91.7217,
64.8880

■ 80.6819, 88.6099,
50.6347

■ 88.5361, 95.0764,
81.7445

■ 77.4967, 85.7186,
38.8472

■ 93.2536, 98.6715,
101.3210

■ 74.7704, 83.0409,
29.3841

95.0500, 100.0000,
108.9000

■ 72.4730, 80.5646,
22.0872

■ 70.5705, 78.2759,
16.7788

■ 69.0239, 76.1590,
13.2529

■ 67.7852, 74.1946,
11.2584

■ 67.1034, 72.9868,
10.5511

Harmonies

Analogous

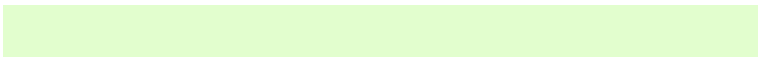
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7847, 91.7217, 65.8532



84.3511, 91.7217, 64.8880



78.0394, 91.7217, 72.2525

Triad

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



84.3511, 91.7217, 64.8880



76.9104, 91.7217, 129.5496



101.4527, 91.7217, 113.4041

Complementary

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



84.3511, 91.7217, 64.8880



61.9111, 61.5322, 103.2216

Split Complementary

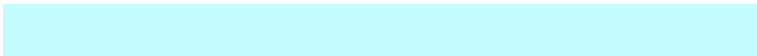
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0051, 91.7217, 133.7548



84.3511, 91.7217, 64.8880



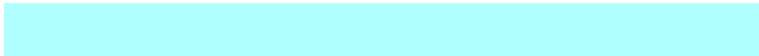
82.7294, 91.7217, 143.9512

Square

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



84.3511, 91.7217, 64.8880



73.9095, 91.7217, 108.2824



90.0688, 91.7217, 145.5912



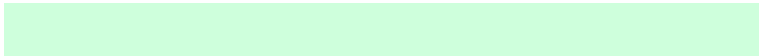
101.9481, 91.7217, 91.9038

Rectangle

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



84.3511, 91.7217, 64.8880



75.2061, 91.7217, 81.6008



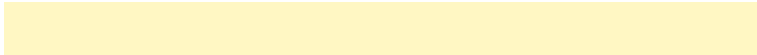
90.0688, 91.7217, 145.5912



100.3590, 91.7217, 120.6792

Sweetspot

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



84.3533, 91.7257, 64.8899



91.5540, 97.3952, 94.2095



71.5353, 64.6030, 65.2003



19.5345, 20.7997, 19.9074



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.



84.3533, 91.7257, 64.8899



82.6499, 90.3041, 58.2022



79.2151, 92.7840, 65.3650



19.3427, 20.6535, 19.1114



35.1432, 38.2976, 5.5399



3.4765, 3.8384, 0.5577

Inverse Universe

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



61.9111, 61.5322, 103.2216



56.8163, 55.5508, 102.3356



66.1812, 61.0031, 102.8944



17.1981, 17.7678, 22.7730



9.7895, 4.4886, 49.7850



1.0105, 0.5517, 4.8665

Previews

White Background



This preview shows how the XYZ color 84.3511, 91.7217, 64.8880 looks on a white background.

Color Contrast Check

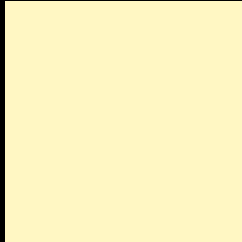
Large Text (above 18pt) WCAG AA × Fail

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 84.3511, 91.7217, 64.8880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

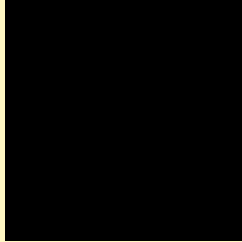
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.3511, 91.7217, 64.8880

Background



This preview shows how black text looks on a background with the XYZ color 84.3511, 91.7217, 64.8880.



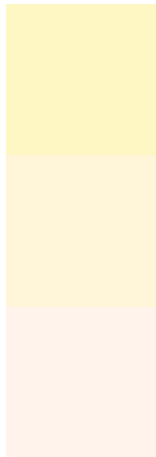
This preview shows how white text looks on a background with the XYZ color 84.3511, 91.7217,

64.8880.

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

84.3511, 91.7217, 64.8880

Protanopia

86.4168, 91.5746, 78.7666

Deuteranopia

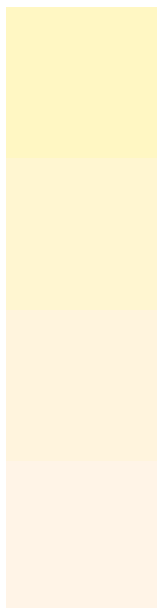
88.4309, 91.4173, 92.3414



Tritanopia

90.5628, 91.7925, 105.0400

Trichromacy



Original Color

84.3511, 91.7217, 64.8880

Protanomaly

85.7044, 91.7750, 73.5188

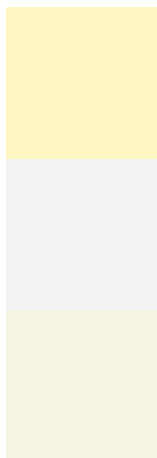
Deuteranomaly

86.6418, 91.1818, 81.4400

Tritanomaly

88.0145, 91.7309, 88.6683

Monochromacy



Original Color

84.3511, 91.7217, 64.8880

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.4359, 89.9665, 84.8665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3511, 91.7217, 64.8880 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, 247, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 195)  
}
```

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, 247, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 195) }
```

Border

The CSS property to change the border of an element to XYZ 84.3511, 91.7217, 64.8880 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, 247, 195) }
```


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

```
.border{ border-color:rgb(255, 247, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3511, 91.7217, 64.8880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 195) }
```

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

```
.background{ background-color: rgb(255,  
247, 195) }
```

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