

Converting Colors

XYZ(68.4556, 83.2827, 75.3821)

Have a look what the booklet for
XYZ(68.4556, 83.2827, 75.3821)
contains.

XYZ(68.5597, 83.3314, 75.4219)	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(68.5597, 83.3314,
75.4219)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F7D5
RGB	198, 247, 213
RGB Percent	78%, 97%, 84%
CMY	0.2235, 0.0314, 0.1647
CMYK	0.20, 0.00, 0.14, 0.03
HSL	138°, 75%, 87%
HSV	138°, 20%, 97%
XYZ	68.5597, 83.3314, 75.4219
YIQ	228.4730, -18.2900, -20.9620

Conversions

Conversions Part 2

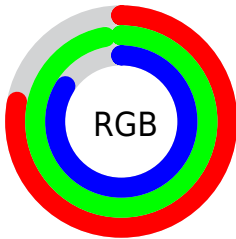
Format	Color
RYB	198, 236, 247
Decimal	13039573
CIELab	93.16, -22.10, 11.25
CIELCh	93, 24.796, 153.030
Yxy	83.3314, 0.3016, 0.3666
Android (android.graphics.Color)	4291229653 (0xFFC6F7D5)
YUV	228.4730, -7.6282, -26.7248
Hunter-Lab	91.2860, -25.6895, 14.9139

Details

The XYZ color **68.5597, 83.3314, 75.4219** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1202, 65.9905, 85.2311**, and the grayscale version is **74.1548, 78.0167, 84.9601**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1300, 45.5699, 39.2394** is the 20% darker color. If you saturate the color by 10%, you get **60.5108, 79.4226, 64.2833**, and if you desaturate by 10%, it is **77.9049, 87.8865, 87.8249**.

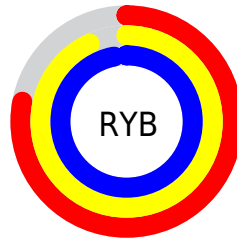
Distribution



Red (78%)

Green (97%)

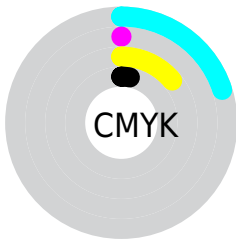
Blue (84%)



Red (78%)

Yellow (93%)

Blue (97%)

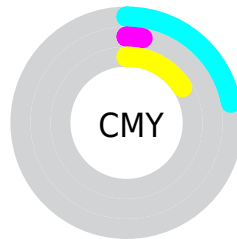


Cyan (20%)

Magenta (0%)

Yellow (14%)

Black (3%)



Cyan (22%)

Magenta (3%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5597, 83.3314, 75.4219 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 68.5597, 83.3314, 75.4219 by changing the saturation by 10% instead.

68.5597, 83.3314,
75.4219

68.5597, 83.3314,
75.4219

444.8222,
506.0903, 498.6605

50.6285, 62.4636,
55.4548

116.1900,
138.0395, 128.6620

36.1329, 45.4074,
39.3649

146.6198,
172.6486, 162.7720

24.7075, 31.7784,
26.7337

181.9466,
212.6069, 202.4335

15.9868, 21.1923,
17.1427

222.5357,
258.2988, 248.0649

9.6056, 13.2647,
10.1732

268.7525,
310.1087, 300.0847

5.1985, 7.6110,
5.4069

320.9622,

2.4001, 3.8471,

368.4210, 358.9116

2.4250

379.5304,
433.6201, 424.9640

■ 0.8452, 1.5884,
0.8000

■ 0.0000, 0.3498,
0.0000

■ 68.5597, 83.3314,
75.4219

■ 68.5597, 83.3314,
75.4219

■ 60.5108, 79.4226,
64.2833

■ 77.9049, 87.8865,
87.8249

■ 53.6927, 76.1203,
54.3638

■ 88.5942, 93.1049,
101.5248

■ 48.0447, 73.3962,
45.6233

■ 92.5524, 95.0047,
108.0675

■ 43.4978, 71.2158,
38.0173

■ 39.9756, 69.5407,
31.4986

■ 37.3913, 68.3271,
26.0167

■ 35.6426, 67.5234,
21.5166

■ 34.5679, 67.0475,
17.9362

■ 34.5534, 67.0411,
17.8857

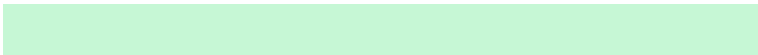
Harmonies

Analogous

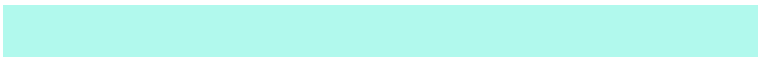
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5726, 83.3314, 63.8661



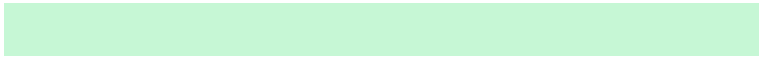
68.5597, 83.3314, 75.4219



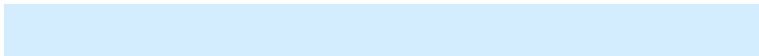
67.3459, 83.3314, 92.6428

Triad

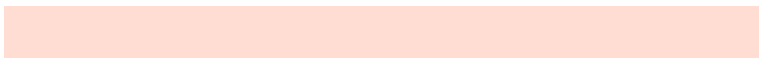
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.5597, 83.3314, 75.4219



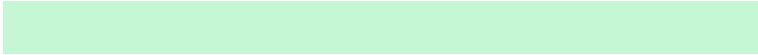
79.8678, 83.3314, 131.4642



90.1730, 83.3314, 72.5560

Complementary

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



68.5597, 83.3314, 75.4219



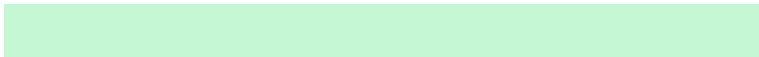
73.1202, 65.9905, 85.2311

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.



92.3782, 83.3314, 88.8511



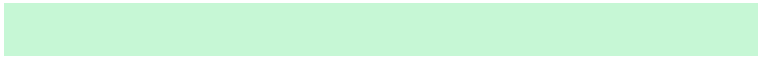
68.5597, 83.3314, 75.4219



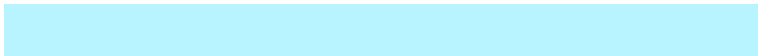
86.2275, 83.3314, 124.2434

Square

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



68.5597, 83.3314, 75.4219



73.6596, 83.3314, 126.5958



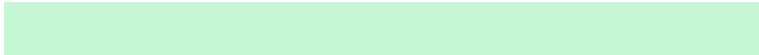
90.8967, 83.3314, 107.9892



85.0198, 83.3314, 62.3777

Rectangle

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



68.5597, 83.3314, 75.4219



68.2298, 83.3314, 105.4993



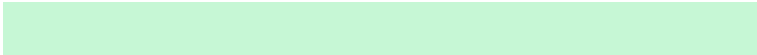
90.8967, 83.3314, 107.9892



91.2960, 83.3314, 77.4145

Sweetspot

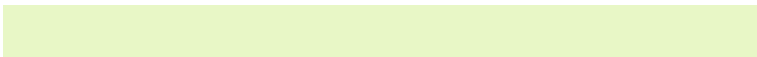
The Sweet Spot groups the original color and five complimentary colors.



68.5620, 83.3349, 75.4237



87.9808, 96.5478, 99.8920



76.8331, 87.8088, 66.3263



18.6737, 20.5882, 21.1777



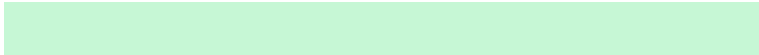
0.0000, 0.0000, 0.0000



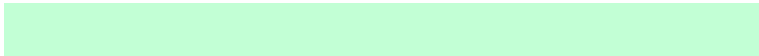
20.3446, 21.4041, 23.3091

Same Dimension

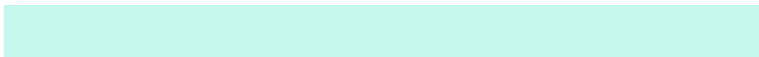
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5620, 83.3349, 75.4237



69.9080, 87.7433, 75.8926



71.8675, 84.6571, 92.8301



16.4910, 18.5556, 18.6042



18.3286, 35.4763, 9.7501



1.6548, 3.1356, 1.0883

Inverse Universe

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



73.1202, 65.9905, 85.2311



75.6663, 65.8262, 88.2775



69.9149, 64.7083, 68.3521



16.9850, 16.6768, 19.6675



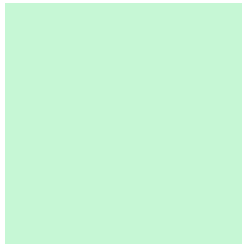
24.2598, 12.0474, 21.8743



2.1779, 1.0771, 2.1633

Previews

White Background



This preview shows how the XYZ color 68.5597, 83.3314, 75.4219 looks on a white background.

Color Contrast Check

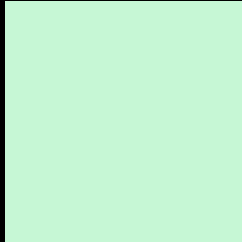
Large Text (above 18pt) WCAG AA × Fail

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 68.5597, 83.3314, 75.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

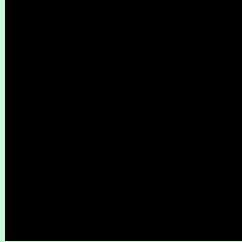
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

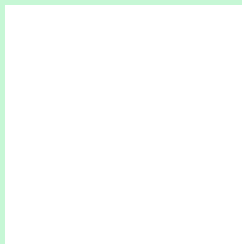
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5597, 83.3314, 75.4219

Background



This preview shows how black text looks on a background with the XYZ color 68.5597, 83.3314, 75.4219.



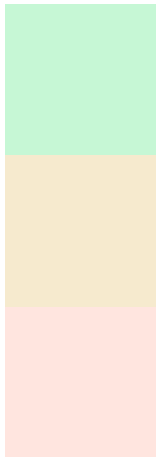
This preview shows how white text looks on a background with the XYZ color 68.5597, 83.3314,

75.4219.

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

68.5597, 83.3314, 75.4219

Protanopia

78.5694, 82.8947, 70.2517

Deuteranopia

82.5786, 82.6263, 81.4082



Tritanopia

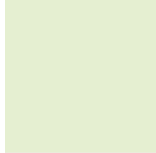
76.0679, 82.9501, 106.6095

Trichromacy



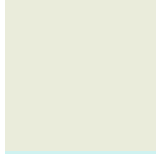
Original Color

68.5597, 83.3314, 75.4219



Protanomaly

74.6882, 82.9945, 72.4046



Deuteranomaly

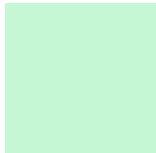
76.7133, 82.5978, 78.9176



Tritanomaly

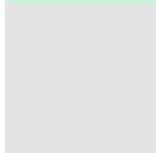
73.2124, 83.0609, 94.6117

Monochromacy



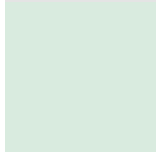
Original Color

68.5597, 83.3314, 75.4219



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.6429, 79.4961, 81.3803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5597, 83.3314, 75.4219 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(198, 247, 213)` looks like.

```
.text, #text, p{  
    color:rgb(198, 247, 213)  
}
```

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(198, 247, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 247, 213) }
```

Border

The CSS property to change the border of an element to XYZ 68.5597, 83.3314, 75.4219 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(198, 247, 213) }
```


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

```
.border{ border-color:rgb(198, 247, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 247, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 247, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 247, 213);  
box-shadow:4px 4px 4px 4px rgb(198, 247,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5597, 83.3314, 75.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 247, 213) }
```

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

```
.background{ background-color: rgb(198,  
247, 213) }
```

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