

Converting Colors

XYZ(68.8961, 80.4189, 75.6395)

Have a look what the booklet for
XYZ(68.8961, 80.4189, 75.6395)
contains.

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Color

**XYZ(68.7513, 80.2970,
75.4936)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | CEF0D6 |
| RGB | 206, 240, 214 |
| RGB Percent | 81%, 94%, 84% |
| CMY | 0.1922, 0.0588, 0.1608 |
| CMYK | 0.14, 0.00, 0.11, 0.06 |
| HSL | 134°, 53%, 87% |
| HSV | 134°, 14%, 94% |
| XYZ | 68.7513, 80.2970, 75.4936 |
| YIQ | 226.8700, -11.9180, -15.2940 |

Conversions

Conversions Part 2

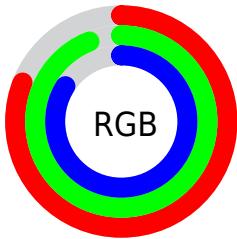
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 206, 234, 240 |
| Decimal | 13562070 |
| CIE Lab | 91.82, -15.90, 8.88 |
| CIE LCh | 92, 18.210, 150.826 |
| Yxy | 80.2970, 0.3062, 0.3576 |
| Android (android.graphics.Color) | 4291752150 (0xFFCEFD6) |
| YUV | 226.8700, -6.3449, -18.3030 |
| Hunter-Lab | 89.6086, -19.8627, 12.7753 |

Details

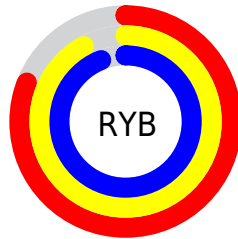
The XYZ color **68.7513, 80.2970, 75.4936** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.5749, 68.4961, 85.7437**, and the grayscale version is **72.9719, 76.7721, 83.6048**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1610, 43.3635, 39.2650** is the 20% darker color. If you saturate the color by 10%, you get **60.3771, 76.2380, 63.5479**, and if you desaturate by 10%, it is **78.4115, 84.9930, 88.8816**.

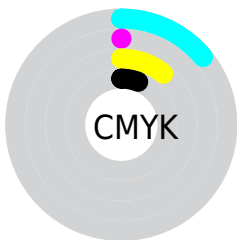
Distribution



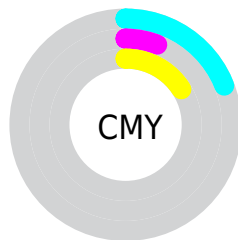
- Red (81%)
- Green (94%)
- Blue (84%)



- Red (81%)
- Yellow (92%)
- Blue (94%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)



- Cyan (19%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7513, 80.2970, 75.4936 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 68.7513, 80.2970, 75.4936 by changing the saturation by 10% instead.

68.7513, 80.2970,
75.4936

68.7513, 80.2970,
75.4936

445.4884,
495.9332, 498.9130

50.7851, 59.9628,
55.5132

116.4623,
133.7832, 128.7643

36.2580, 43.3886,
39.4114

146.9378,
167.7040, 162.8918

24.8045, 30.1902,
26.7696

182.3138,
206.9225, 202.5719

16.0594, 19.9830,
17.1694

222.9556,
251.8229, 248.2234

9.6573, 12.3827,
10.1921

269.2287,
302.7899, 300.2647

5.2329, 7.0049,
5.4192

321.4982,

2.4207, 3.4651,

360.2076, 359.1144

2.4323

380.1297,
424.4606, 425.1910

■ 0.8554, 1.3791,
0.8039

■ 0.0000, 0.2013,
0.0000

■ 68.7513, 80.2970,
75.4936

■ 68.7513, 80.2970,
75.4936

■ 60.3771, 76.2380,
63.5479

■ 78.4115, 84.9930,
88.8816

■ 53.2275, 72.7785,
52.9911

■ 89.4025, 90.3413,
103.7525

■ 47.2460, 69.8927,
43.7742

■ 90.4516, 90.8032,
107.3672

■ 42.3690, 67.5490,
35.8435

■ 38.5266, 65.7125,
29.1412

■ 35.6407, 64.3443,
23.6057

■ 33.6215, 63.3995,
19.1694

■ 32.3609, 62.8239,
15.7578

■ 31.8869, 62.6133,
14.2065

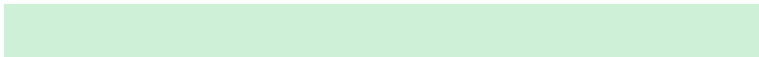
Harmonies

Analogous

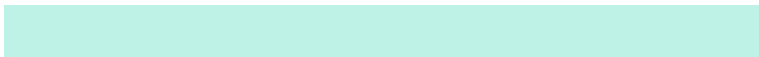
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8142, 80.2970, 67.1697



68.7513, 80.2970, 75.4936



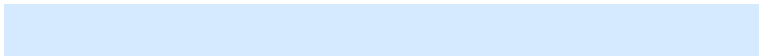
67.6961, 80.2970, 87.8009

Triad

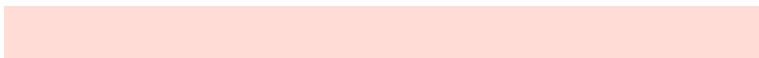
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7513, 80.2970, 75.4936



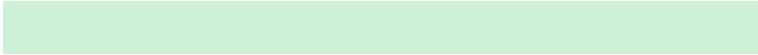
76.4494, 80.2970, 115.7198



84.2862, 80.2970, 74.9130

Complementary

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



68.7513, 80.2970, 75.4936



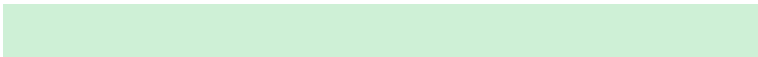
72.5749, 68.4961, 85.7437

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.



85.6466, 80.2970, 87.0597



68.7513, 80.2970, 75.4936



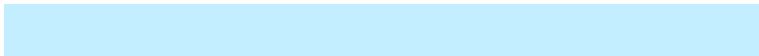
81.0102, 80.2970, 111.4020

Square

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



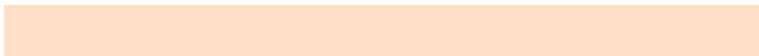
68.7513, 80.2970, 75.4936



72.0296, 80.2970, 111.8381



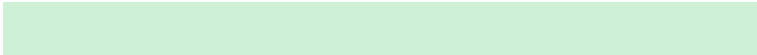
84.4245, 80.2970, 100.5621



80.7772, 80.2970, 66.8593

Rectangle

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



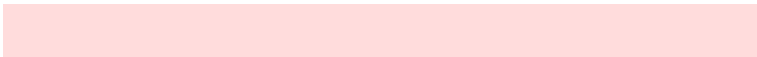
68.7513, 80.2970, 75.4936



68.2378, 80.2970, 96.8869



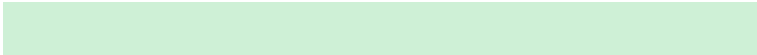
84.4245, 80.2970, 100.5621



85.0162, 80.2970, 78.6090

Sweetspot

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



68.7535, 80.3004, 75.4954



90.1658, 97.6243, 102.2485



75.6042, 83.9472, 70.6123



19.1085, 20.8029, 21.6242



0.0000, 0.0000, 0.0000



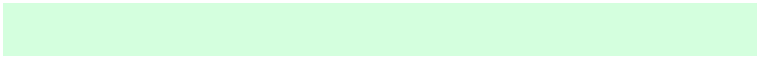
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7535, 80.3004, 75.4954



75.9752, 90.7309, 82.5097



71.0307, 81.2113, 87.4867



15.7183, 17.7173, 17.5394



17.4972, 34.2909, 8.0010



1.4930, 2.8676, 0.8623

Inverse Universe

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



72.5749, 68.4961, 85.7437



81.1471, 74.7526, 96.3787



70.2833, 67.5795, 73.6765



16.2859, 15.9641, 19.0620



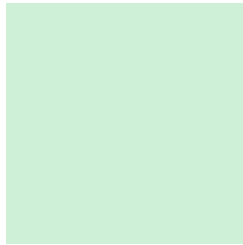
24.4349, 12.0464, 26.0047



2.0707, 1.0173, 2.3632

Previews

White Background



This preview shows how the XYZ color 68.7513, 80.2970, 75.4936 looks on a white background.

Color Contrast Check

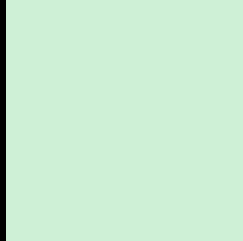
Large Text (above 18pt) WCAG AA × Fail

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 68.7513, 80.2970, 75.4936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

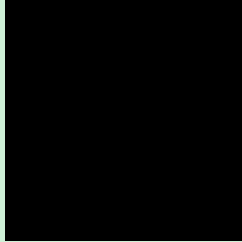
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

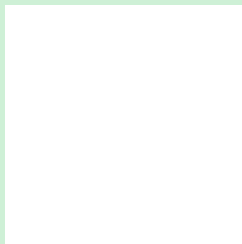
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7513, 80.2970, 75.4936

Background



This preview shows how black text looks on a background with the XYZ color 68.7513, 80.2970, 75.4936.



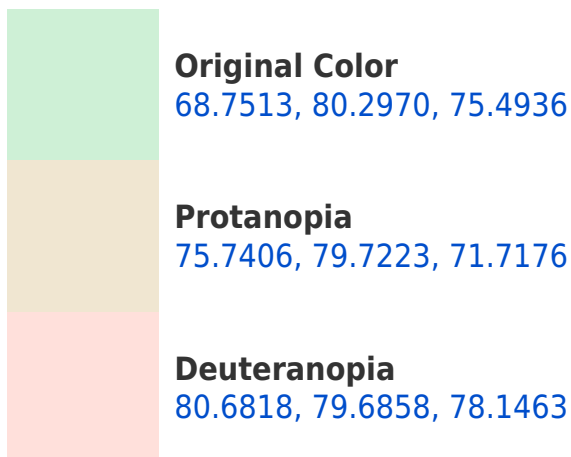
This preview shows how white text looks on a background with the XYZ color 68.7513, 80.2970,

75.4936.

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

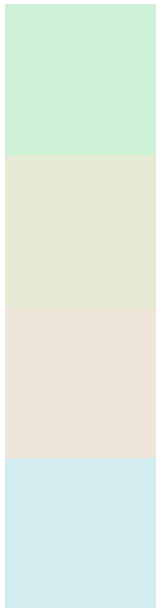




Tritanopia

74.5930, 80.0836, 104.4547

Trichromacy



Original Color

68.7513, 80.2970, 75.4936

Protanomaly

73.1756, 80.0428, 73.2210

Deuteranomaly

75.7463, 79.6079, 77.0192

Tritanomaly

72.1538, 79.9245, 93.2854

Monochromacy



Original Color

68.7513, 80.2970, 75.4936

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.2548, 78.0472, 80.4163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7513, 80.2970, 75.4936 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(206, 240, 214)` looks like.

```
.text, #text, p{  
    color:rgb(206, 240, 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(206, 240, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 240, 214) }
```

Border

The CSS property to change the border of an element to XYZ 68.7513, 80.2970, 75.4936 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(206, 240, 214) }
```


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

```
.border{ border-color:rgb(206, 240, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 240, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 240, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 240, 214);  
box-shadow:4px 4px 4px 4px rgb(206, 240,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7513, 80.2970, 75.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 240, 214) }
```

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

```
.background{ background-color: rgb(206,  
240, 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](#).

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