

Converting Colors

XYZ(66.9732, 80.6501, 62.9614)

Have a look what the booklet for
XYZ(66.9732, 80.6501, 62.9614)
contains.

XYZ(66.9433, 80.5211, 63.0528)	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(66.9433, 80.5211,
63.0528)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF2C2
RGB	206, 242, 194
RGB Percent	81%, 95%, 76%
CMY	0.1922, 0.0510, 0.2392
CMYK	0.15, 0.00, 0.20, 0.05
HSL	105°, 65%, 85%
HSV	105°, 20%, 95%
XYZ	66.9433, 80.5211, 63.0528
YIQ	225.7640, -6.0480, -22.5600

Conversions

Conversions Part 2

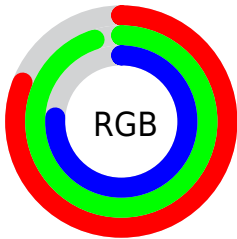
Format	Color
RYB	194, 242, 230
Decimal	13562562
CIELab	91.92, -20.30, 19.36
CIELCh	92, 28.054, 136.357
Yxy	80.5211, 0.3180, 0.3825
Android (android.graphics.Color)	4291752642 (0xFFCEF2C2)
YUV	225.7640, -15.6597, -17.3330
Hunter-Lab	89.7336, -23.8686, 21.1524

Details

The XYZ color **66.9433, 80.5211, 63.0528** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.9553, 61.8197, 92.3594**, and the grayscale version is **72.2327, 75.9944, 82.7579**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **35.0550, 43.5906, 31.3772** is the 20% darker color. If you saturate the color by 10%, you get **59.6927, 77.0745, 49.6626**, and if you desaturate by 10%, it is **75.2229, 84.4517, 78.8049**.

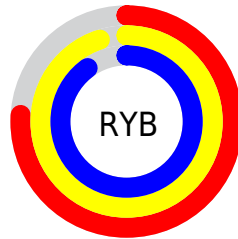
Distribution



Red (81%)

Green (95%)

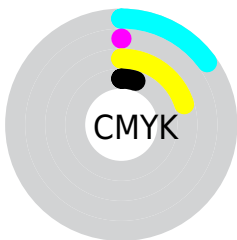
Blue (76%)



Red (76%)

Yellow (95%)

Blue (90%)

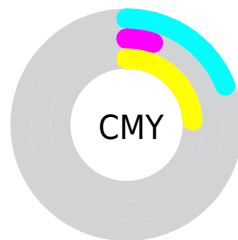


Cyan (15%)

Magenta (0%)

Yellow (20%)

Black (5%)



Cyan (19%)

Magenta (5%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9433, 80.5211, 63.0528 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 66.9433, 80.5211, 63.0528 by changing the saturation by 10% instead.

66.9433, 80.5211,
63.0528

66.9433, 80.5211,
63.0528

439.1786,
496.6872, 453.8743

49.3091, 60.1473,
45.4427

113.8894,
134.0981, 110.8320

35.0803, 43.5373,
31.4607

143.9320,
168.0701, 141.8381

23.8915, 30.3069,
20.6885

178.8414,
207.3436, 178.1466

15.3775, 20.0717,
12.7075

218.9831,
252.3029, 220.1761

9.1728, 12.4472,
7.0991

264.7222,
303.3326, 268.3451

4.9121, 7.0490,
3.4448

316.4243,

2.2300, 3.4928,

360.8169, 323.0721

1.3260

374.4546,
425.1404, 384.7756

■ 0.7585, 1.3941,
0.0829

■ 0.0000, 0.2124,
0.0000

■ 66.9433, 80.5211,
63.0528

■ 66.9433, 80.5211,
63.0528

■ 59.6927, 77.0745,
49.6626

■ 75.2229, 84.4517,
78.8049

■ 53.4234, 74.0828,
38.5154

■ 84.5637, 88.8736,
97.0196

■ 48.0938, 71.5295,
29.4900

■ 91.0437, 91.9875,
107.5646

■ 43.6562, 69.3931,
22.4515

■ 40.0587, 67.6499,
17.2497

■ 37.2435, 66.2740,
13.7128

■ 35.1445, 65.2357,
11.6366

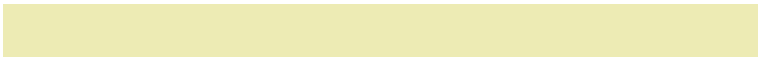
■ 33.6675, 64.4938,
10.6855

■ 33.6470, 64.4835,
10.6732

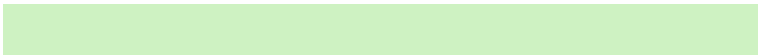
Harmonies

Analogous

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



72.6992, 80.5211, 54.8610



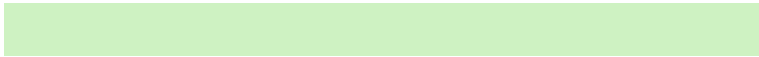
66.9433, 80.5211, 63.0528



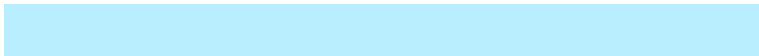
63.8496, 80.5211, 78.6481

Triad

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



66.9433, 80.5211, 63.0528



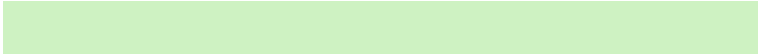
73.3129, 80.5211, 132.1349



90.6035, 80.5211, 76.9732

Complementary

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



66.9433, 80.5211, 63.0528



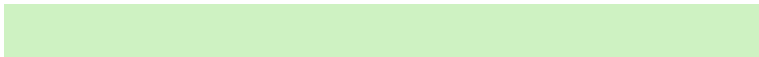
67.9553, 61.8197, 92.3594

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.



90.7935, 80.5211, 97.3648



66.9433, 80.5211, 63.0528



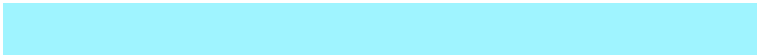
80.4991, 80.5211, 131.4970

Square

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



66.9433, 80.5211, 63.0528



67.3682, 80.5211, 119.6171



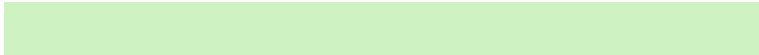
86.9972, 80.5211, 117.9912



86.4932, 80.5211, 61.9930

Rectangle

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



66.9433, 80.5211, 63.0528



63.5792, 80.5211, 92.1382



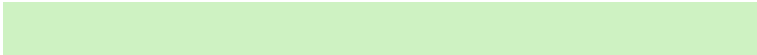
86.9972, 80.5211, 117.9912



91.1364, 80.5211, 83.3560

Sweetspot

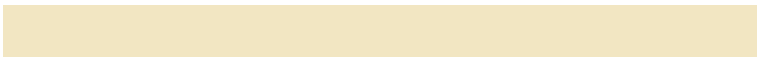
The Sweet Spot groups the original color and five complimentary colors.



66.9454, 80.5246, 63.0546



88.5870, 96.9416, 96.2472



74.6557, 79.3695, 62.4252



18.8164, 20.6809, 20.3193



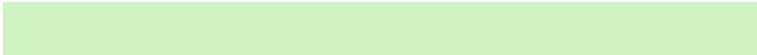
0.0000, 0.0000, 0.0000



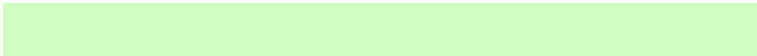
20.3446, 21.4041, 23.3091

Same Dimension

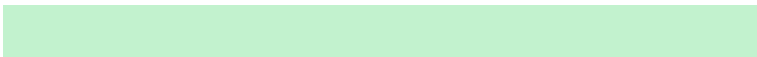
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.9454, 80.5246, 63.0546



71.7972, 88.9756, 64.3111



65.1433, 79.4335, 70.2931



15.9361, 17.8472, 16.7547



18.1794, 34.6934, 5.7383



1.6005, 2.9316, 0.4815

Inverse Universe

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



67.9553, 61.8197, 92.3594



73.1316, 64.1878, 103.1428



70.1956, 63.1761, 83.3608



16.0459, 15.8209, 19.9296



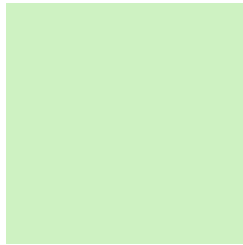
19.0427, 8.8223, 45.8271



1.6743, 0.7804, 3.8166

Previews

White Background



This preview shows how the XYZ color 66.9433, 80.5211, 63.0528 looks on a white background.

Color Contrast Check

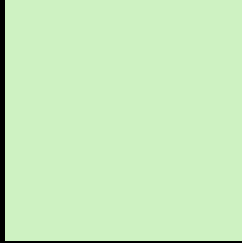
Large Text (above 18pt) WCAG AA × Fail

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 66.9433, 80.5211, 63.0528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

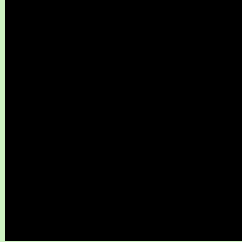
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

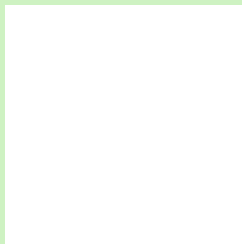
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9433, 80.5211, 63.0528

Background



This preview shows how black text looks on a background with the XYZ color 66.9433, 80.5211, 63.0528.



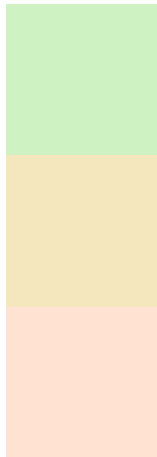
This preview shows how white text looks on a background with the XYZ color 66.9433, 80.5211,

63.0528.

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

66.9433, 80.5211, 63.0528

Protanopia

75.4174, 80.2384, 59.6568

Deuteranopia

80.0692, 80.3059, 72.2532



Tritanopia

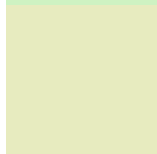
75.1768, 80.3846, 104.4820

Trichromacy



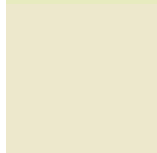
Original Color

66.9433, 80.5211, 63.0528



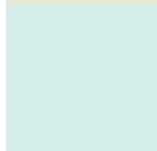
Protanomaly

72.0673, 80.1672, 60.9657



Deuteranomaly

74.6807, 80.0774, 68.6471



Tritanomaly

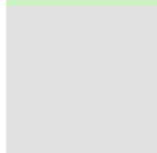
72.0011, 80.3916, 88.0662

Monochromacy



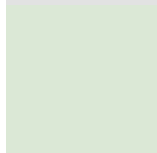
Original Color

66.9433, 80.5211, 63.0528



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.2076, 77.6283, 74.9018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9433, 80.5211, 63.0528 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, 242, 194)` looks like.

```
.text, #text, p{  
    color:rgb(206, 242, 194)  
}
```

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, 242, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 242, 194) }
```

Border

The CSS property to change the border of an element to XYZ 66.9433, 80.5211, 63.0528 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, 242, 194) }
```


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

```
.border{ border-color:rgb(206, 242, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 242, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 242, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 242, 194);  
box-shadow:4px 4px 4px 4px rgb(206, 242,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9433, 80.5211, 63.0528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 242, 194) }
```

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

```
.background{ background-color: rgb(206,  
242, 194) }
```

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