

Converting Colors

XYZ(65.9706, 81.0210, 68.8377)

Have a look what the booklet for
XYZ(65.9706, 81.0210, 68.8377)
contains.

XYZ(66.1969, 81.3524, 68.7135)	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(66.1969, 81.3524,
68.7135)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F5CB
RGB	196, 245, 203
RGB Percent	77%, 96%, 80%
CMY	0.2314, 0.0392, 0.2039
CMYK	0.20, 0.00, 0.17, 0.04
HSL	129°, 71%, 86%
HSV	129°, 20%, 96%
XYZ	66.1969, 81.3524, 68.7135
YIQ	225.5610, -15.7220, -23.4500

Conversions

Conversions Part 2

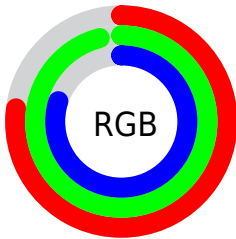
Format	Color
RYB	196, 239, 245
Decimal	12907979
CIELab	92.29, -23.56, 15.15
CIELCh	92, 28.010, 147.247
Yxy	81.3524, 0.3061, 0.3762
Android (android.graphics.Color)	4291098059 (0xFFC4F5CB)
YUV	225.5610, -11.1226, -25.9250
Hunter-Lab	90.1956, -26.8364, 17.9681

Details

The XYZ color **66.1969, 81.3524, 68.7135** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.8317, 65.0674, 89.6134**, and the grayscale version is **72.0595, 75.8122, 82.5595**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **34.7777, 44.3159, 35.1546** is the 20% darker color. If you saturate the color by 10%, you get **58.0016, 77.3997, 56.1393**, and if you desaturate by 10%, it is **75.7763, 85.9840, 83.1255**.

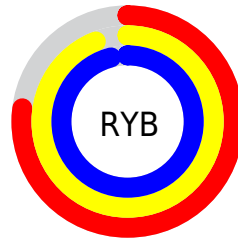
Distribution



Red (77%)

Green (96%)

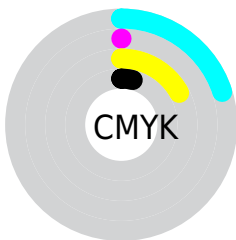
Blue (80%)



Red (77%)

Yellow (94%)

Blue (96%)

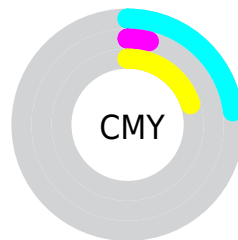


Cyan (20%)

Magenta (0%)

Yellow (17%)

Black (4%)



Cyan (23%)

Magenta (4%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1969, 81.3524, 68.7135 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 66.1969, 81.3524, 68.7135 by changing the saturation by 10% instead.

66.1969, 81.3524,
68.7135

66.1969, 81.3524,
68.7135

436.5583,
499.4789, 474.6864

48.7006, 60.8319,
50.0081

112.8251,
135.2655, 119.0361

34.5956, 44.0895,
35.0486

142.6876,
169.4268, 151.4904

23.5165, 30.7409,
23.4165

177.4029,
208.9039, 189.3648

15.0982, 20.4016,
14.6931

217.3363,
254.0811, 233.0778

8.9751, 12.6873,
8.4601

262.8532,
305.3428, 283.0479

4.7819, 7.2136,
4.2988

314.3189,

2.1533, 3.5960,

363.0734, 339.6936

1.7906

372.0988,
427.6573, 403.4336

■ 0.7180, 1.4503,
0.4218

■ 0.0000, 0.2533,
0.0000

■ 66.1969, 81.3524,
68.7135

■ 66.1969, 81.3524,
68.7135

■ 58.0016, 77.3997,
56.1393

■ 75.7763, 85.9840,
83.1255

■ 51.1198, 74.0843,
45.3240

■ 86.7930, 91.3137,
99.4395

■ 45.4847, 71.3756,
36.1906

■ 91.9440, 93.7880,
107.8647

■ 41.0207, 69.2365,
28.6546

■ 37.6442, 67.6258,
22.6241

■ 35.2600, 66.4967,
17.9976

■ 33.7564, 65.7938,
14.6614

■ 32.9573, 65.4293,
12.4821

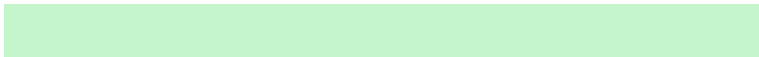
Harmonies

Analogous

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



71.1235, 81.3524, 57.6530



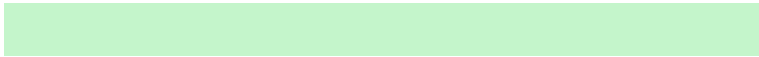
66.1969, 81.3524, 68.7135



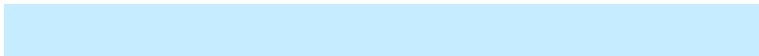
64.2356, 81.3524, 86.6776

Triad

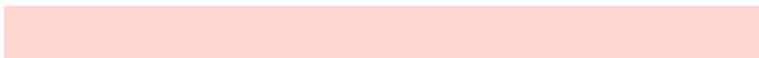
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.1969, 81.3524, 68.7135



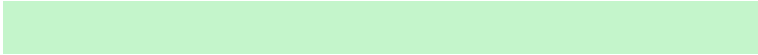
76.6563, 81.3524, 134.6645



90.3707, 81.3524, 71.5521

Complementary

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



66.1969, 81.3524, 68.7135



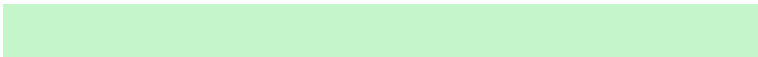
72.8317, 65.0674, 89.6134

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.



92.0772, 81.3524, 90.5078



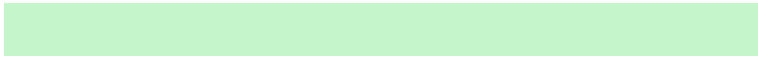
66.1969, 81.3524, 68.7135



83.8727, 81.3524, 128.9594

Square

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



66.1969, 81.3524, 68.7135



70.0337, 81.3524, 126.5151



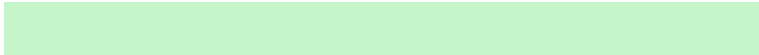
89.6308, 81.3524, 111.9456



85.1013, 81.3524, 59.1033

Rectangle

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



66.1969, 81.3524, 68.7135



64.7760, 81.3524, 100.9323



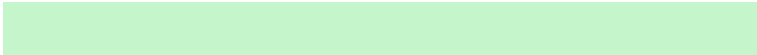
89.6308, 81.3524, 111.9456



91.3938, 81.3524, 77.2770

Sweetspot

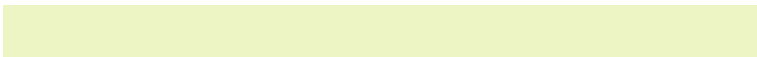
The Sweet Spot groups the original color and five complimentary colors.



66.1991, 81.3558, 68.7153



87.6032, 96.3967, 97.9036



78.0364, 87.5524, 65.0119



18.5847, 20.5526, 20.7091



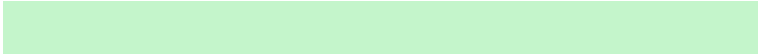
0.0000, 0.0000, 0.0000



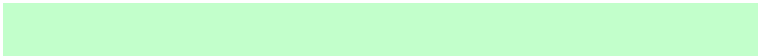
20.3446, 21.4041, 23.3091

Same Dimension

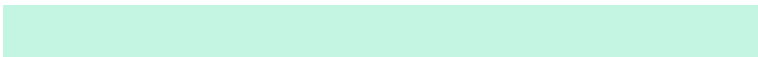
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1991, 81.3558, 68.7153



68.6819, 87.2529, 69.4361



69.2896, 82.5921, 84.9899



16.3786, 18.5106, 18.0122



17.7837, 35.2583, 6.8806



1.5919, 3.1104, 0.7571

Inverse Universe

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



72.8317, 65.0674, 89.6134



77.1614, 66.4243, 96.1505



69.5320, 63.7475, 72.2378



17.1059, 16.7252, 20.3040



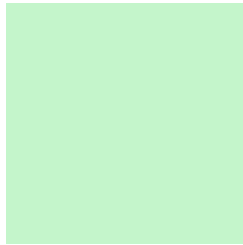
26.5927, 12.9805, 34.1593



2.3646, 1.1518, 3.1461

Previews

White Background



This preview shows how the XYZ color 66.1969, 81.3524, 68.7135 looks on a white background.

Color Contrast Check

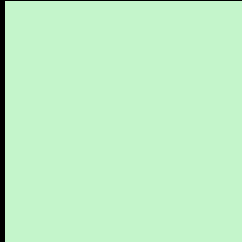
Large Text (above 18pt) WCAG AA × Fail

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 66.1969, 81.3524, 68.7135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

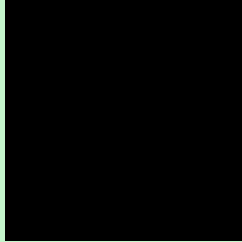
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

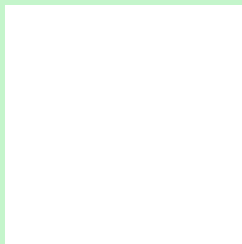
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1969, 81.3524, 68.7135

Background



This preview shows how black text looks on a background with the XYZ color 66.1969, 81.3524, 68.7135.



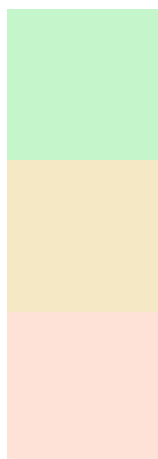
This preview shows how white text looks on a background with the XYZ color 66.1969, 81.3524,

68.7135.

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

66.1969, 81.3524, 68.7135

Protanopia

76.4766, 81.1112, 63.8498

Deuteranopia

80.7021, 80.5590, 75.5860



Tritanopia

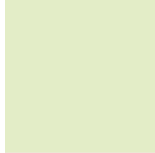
74.0663, 81.0538, 106.3490

Trichromacy



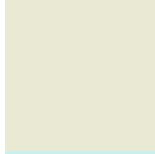
Original Color

66.1969, 81.3524, 68.7135



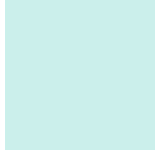
Protanomaly

72.2715, 81.0228, 65.8627



Deuteranomaly

74.8285, 80.4734, 73.2171



Tritanomaly

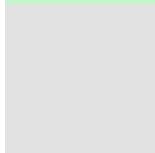
70.9290, 81.0728, 91.2671

Monochromacy



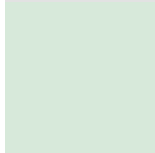
Original Color

66.1969, 81.3524, 68.7135



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.8181, 77.7869, 77.6642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1969, 81.3524, 68.7135 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(196, 245, 203)` looks like.

```
.text, #text, p{  
    color:rgb(196, 245, 203)  
}
```

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(196, 245, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 245, 203) }
```

Border

The CSS property to change the border of an element to XYZ 66.1969, 81.3524, 68.7135 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(196, 245, 203) }
```


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

```
.border{ border-color:rgb(196, 245, 203) }
```

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

Here you see how a box with a 4 pixel rgb(196, 245, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 245, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 245, 203);  
box-shadow:4px 4px 4px 4px rgb(196, 245,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1969, 81.3524, 68.7135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 245, 203) }
```

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

```
.background{ background-color: rgb(196,  
245, 203) }
```

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