

Converting Colors

XYZ(66.6729, 81.6019, 70.7803)

Have a look what the booklet for
XYZ(66.6729, 81.6019, 70.7803)
contains.

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Color

**XYZ(66.5579, 81.4968,
70.6150)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F5CE
RGB	196, 245, 206
RGB Percent	77%, 96%, 81%
CMY	0.2314, 0.0392, 0.1921
CMYK	0.20, 0.00, 0.16, 0.04
HSL	132°, 71%, 86%
HSV	132°, 20%, 96%
XYZ	66.5579, 81.4968, 70.6150
YIQ	225.9030, -16.6850, -22.5170

Conversions

Conversions Part 2

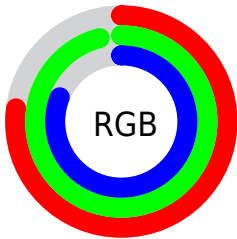
Format	Color
RYB	196, 237, 245
Decimal	12907982
CIELab	92.35, -23.03, 13.70
CIElCh	92, 26.793, 149.257
Yxy	81.4968, 0.3044, 0.3727
Android (android.graphics.Color)	4291098062 (0xFFC4F5CE)
YUV	225.9030, -9.8122, -26.2249
Hunter-Lab	90.2756, -26.3787, 16.8153

Details

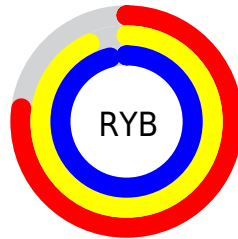
The XYZ color **66.5579, 81.4968, 70.6150** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.3943, 64.8923, 87.3106**, and the grayscale version is **72.2978, 76.0629, 82.8325**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **35.0204, 44.4130, 36.4326** is the 20% darker color. If you saturate the color by 10%, you get **58.4742, 77.5888, 58.6286**, and if you desaturate by 10%, it is **75.9806, 86.0658, 84.2018**.

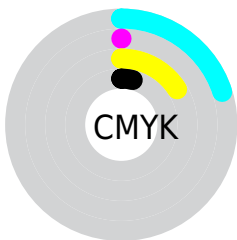
Distribution



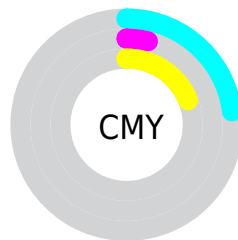
- Red (77%)
- Green (96%)
- Blue (81%)



- Red (77%)
- Yellow (93%)
- Blue (96%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)



- Cyan (23%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5579, 81.4968, 70.6150 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 66.5579, 81.4968, 70.6150 by changing the saturation by 10% instead.

66.5579, 81.4968,
70.6150

66.5579, 81.4968,
70.6150

437.8267,
499.9629, 481.5538

48.9948, 60.9508,
51.5482

113.3400,
135.4681, 121.7747

34.8299, 44.1855,
36.2653

143.2897,
169.6623, 154.7046

23.6978, 30.8164,
24.3478

178.0990,
209.1746, 193.0927

15.2331, 20.4591,
15.3773

218.1333,
254.3895, 237.3574

9.0705, 12.7292,
8.9350

263.7578,
305.6914, 287.9174

4.8447, 7.2423,
4.6026

315.3380,

2.1902, 3.6141,

363.4647, 345.1911

1.9614

373.2392,
428.0937, 409.5970

■ 0.7376, 1.4601,
0.5314

■ 0.0000, 0.2604,
0.0000

■ 66.5579, 81.4968,
70.6150

■ 66.5579, 81.4968,
70.6150

■ 58.4742, 77.5888,
58.6286

■ 75.9806, 86.0658,
84.2018

■ 51.6618, 74.3011,
48.1784

■ 86.7929, 91.3136,
99.4394

■ 46.0568, 71.6045,
39.2037

■ 91.9440, 93.7880,
107.8647

■ 41.5872, 69.4631,
31.6379

■ 38.1730, 67.8374,
25.4091

■ 35.7236, 66.6821,
20.4391

■ 34.1323, 65.9442,
16.6412

■ 33.2297, 65.5383,
13.9164

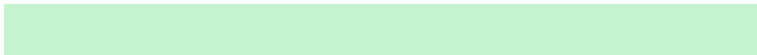
Harmonies

Analogous

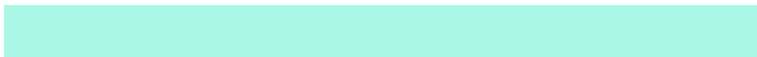
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.1257, 81.4968, 59.4205



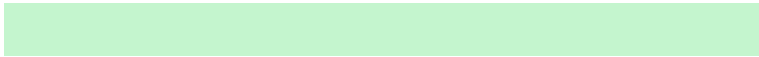
66.5579, 81.4968, 70.6150



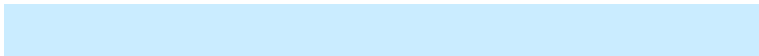
64.8800, 81.4968, 88.2423

Triad

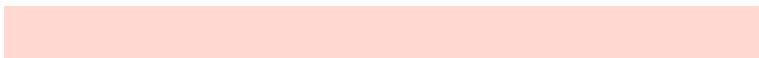
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.5579, 81.4968, 70.6150



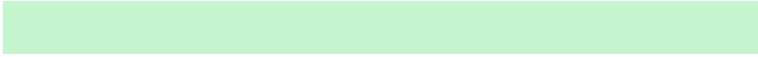
77.2876, 81.4968, 132.6500



89.6829, 81.4968, 71.3535

Complementary

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



66.5579, 81.4968, 70.6150



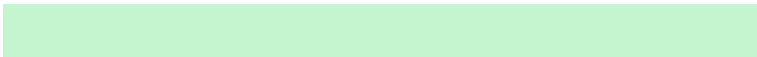
72.3943, 64.8923, 87.3106

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.



91.5699, 81.4968, 89.2319



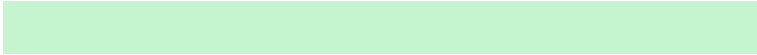
66.5579, 81.4968, 70.6150



84.1602, 81.4968, 126.3877

Square

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



66.5579, 81.4968, 70.6150



70.8434, 81.4968, 125.7624



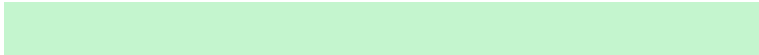
89.4926, 81.4968, 109.7191



84.4769, 81.4968, 59.8000

Rectangle

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



66.5579, 81.4968, 70.6150



65.5440, 81.4968, 101.9336



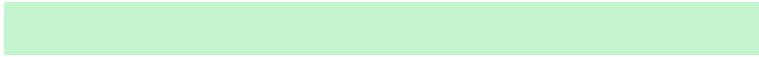
89.4926, 81.4968, 109.7191



90.7397, 81.4968, 76.7300

Sweetspot

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



66.5601, 81.5002, 70.6168



87.7443, 96.4531, 98.6462



76.9464, 86.9905, 64.9607



18.6179, 20.5659, 20.8840



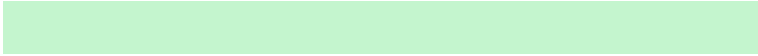
0.0000, 0.0000, 0.0000



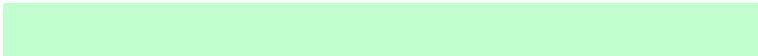
20.3446, 21.4041, 23.3091

Same Dimension

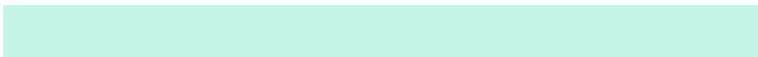
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5601, 81.5002, 70.6168



69.1326, 87.4332, 71.8097



69.7450, 82.7742, 87.3880



16.4205, 18.5273, 18.2327



17.9402, 35.3209, 7.7049



1.6122, 3.1185, 0.8638

Inverse Universe

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



72.3943, 64.8923, 87.3106



76.5911, 66.1961, 93.1473



69.1188, 63.5821, 70.0623



17.0602, 16.7069, 20.0638



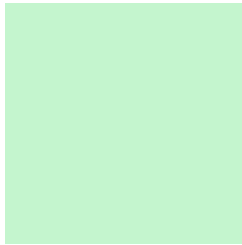
25.6442, 12.6011, 29.1645



2.2896, 1.1218, 2.7515

Previews

White Background



This preview shows how the XYZ color 66.5579, 81.4968, 70.6150 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 66.5579, 81.4968, 70.6150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

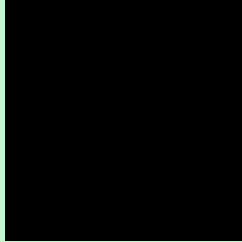
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

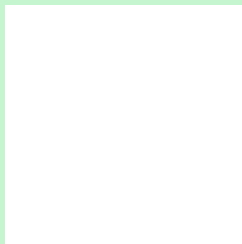
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.5579, 81.4968, 70.6150

Background



This preview shows how black text looks on a background with the XYZ color 66.5579, 81.4968, 70.6150.



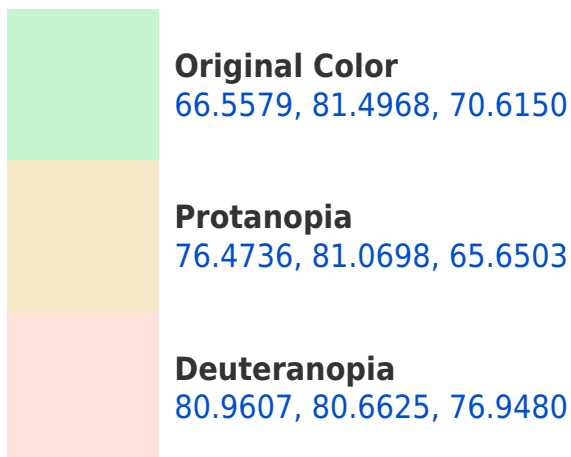
This preview shows how white text looks on a background with the XYZ color 66.5579, 81.4968,

70.6150.

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

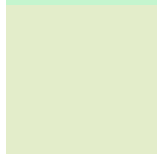
74.0663, 81.0538, 106.3490

Trichromacy



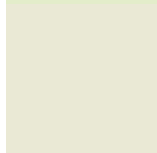
Original Color

66.5579, 81.4968, 70.6150



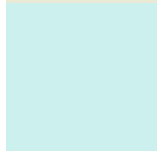
Protanomaly

72.6234, 81.1635, 67.7156



Deuteranomaly

75.0808, 80.5743, 74.5460



Tritanomaly

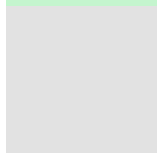
71.0748, 81.1311, 92.0346

Monochromacy



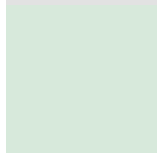
Original Color

66.5579, 81.4968, 70.6150



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.9494, 77.8394, 78.3556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5579, 81.4968, 70.6150 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(196, 245, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 245, 206) }
```

Border

The CSS property to change the border of an element to XYZ 66.5579, 81.4968, 70.6150 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, 206) }
```


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

```
.border{ border-color:rgb(196, 245, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 245, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 245, 206);  
box-shadow:4px 4px 4px 4px rgb(196, 245,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5579, 81.4968, 70.6150 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, 206) }
```

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

```
.background{ background-color: rgb(196,  
245, 206) }
```

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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