

Converting Colors

XYZ(75.4843, 96.7300, 67.7934)

Have a look what the booklet for
XYZ(75.4843, 96.7300, 67.7934)
contains.

XYZ(71.5702, 88.8166, 66.1945)	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(71.5702, 88.8166,
66.1945)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFFC5
RGB	207, 255, 197
RGB Percent	81%, 100%, 77%
CMY	0.1882, 0.0000, 0.2274
CMYK	0.19, 0.00, 0.23, 0.00
HSL	110°, 100%, 89%
HSV	110°, 23%, 100%
XYZ	71.5702, 88.8166, 66.1945
YIQ	234.0360, -9.9900, -28.2140

Conversions

Conversions Part 2

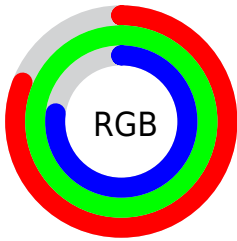
Format	Color
RYB	197, 255, 245
Decimal	13631429
CIELab	95.50, -25.73, 22.82
CIELCh	96, 34.395, 138.435
Yxy	88.8166, 0.3159, 0.3920
Android (android.graphics.Color)	4291821509 (0xFFCFFFC5)
YUV	234.0360, -18.2587, -23.7106
Hunter-Lab	94.2426, -29.3670, 24.3254

Details

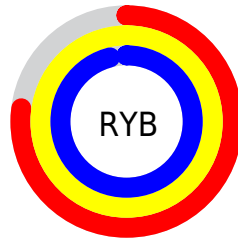
The XYZ color **71.5702, 88.8166, 66.1945** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.6733, 66.5662, 103.4679**, and the grayscale version is **78.3729, 82.4544, 89.7928**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **38.1009, 49.0467, 33.4454** is the 20% darker color. If you saturate the color by 10%, you get **63.3835, 84.9058, 51.8273**, and if you desaturate by 10%, it is **81.0405, 93.3321, 83.2043**.

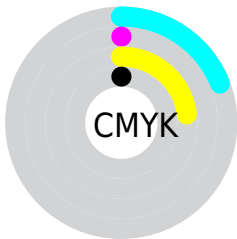
Distribution



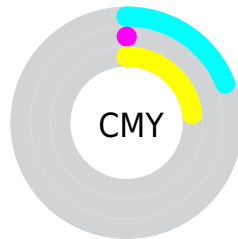
- Red (81%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5702, 88.8166, 66.1945 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 71.5702, 88.8166, 66.1945 by changing the saturation by 10% instead.


 71.5702, 88.8166,
66.1945

 71.5702, 88.8166,
66.1945


455.2251,
524.1737, 465.4954

 53.0919, 66.9996,
47.9728


120.4594,
145.6935, 115.3951

 38.1039, 49.0843,
33.4455


151.6009,
181.5222, 147.2111

 26.2409, 34.6863,
22.1941


187.6943,
222.7901, 184.3957

 17.1376, 23.4214,
13.7999

229.1047,
269.8818, 227.3673

 10.4285, 14.9049,
7.8445

276.1977,
323.1816, 276.5446

 5.7484, 8.7527,
3.9092

329.3385,

 2.7319, 4.5802,

383.0740, 332.3459

1.5757

388.8925,
449.9432, 395.1900

■ 1.0136, 2.0031,
0.2734

■ 0.0000, 0.6093,
0.0000

■ 71.5702, 88.8166,
66.1945

■ 71.5702, 88.8166,
66.1945

■ 63.3835, 84.9058,
51.8273

■ 81.0405, 93.3321,
83.2043

■ 56.4227, 81.5726,
39.9664

■ 91.8450, 98.4756,
102.9757

■ 50.6283, 78.7897,
30.4691

■ 95.0500, 100.0000,
108.9000

■ 45.9350, 76.5268,
23.1771

■ 42.2709, 74.7506,
17.9127

■ 39.5550, 73.4239,
14.4706

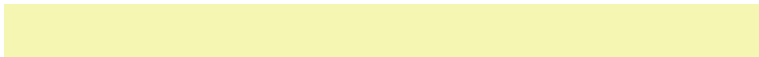
■ 37.6933, 72.5036,
12.6020

■ 36.7971, 72.0547,
11.9685

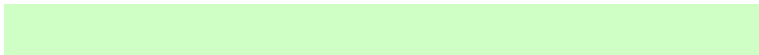
Harmonies

Analogous

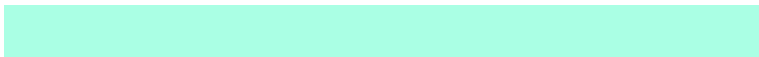
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8149, 88.8166, 55.3492



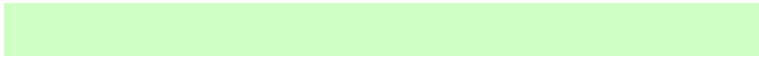
71.5702, 88.8166, 66.1945



67.8773, 88.8166, 86.6690

Triad

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



71.5702, 88.8166, 66.1945



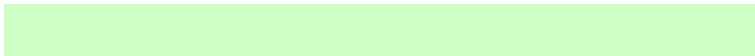
80.8359, 88.8166, 156.9922



102.8052, 88.8166, 81.2032

Complementary

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



71.5702, 88.8166, 66.1945



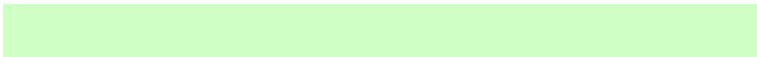
75.6733, 66.5662, 103.4679

Split Complementary

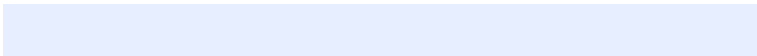
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.4476, 88.8166, 107.4898



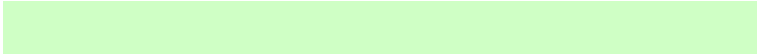
71.5702, 88.8166, 66.1945



90.2796, 88.8166, 154.7790

Square

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



71.5702, 88.8166, 66.1945



72.9547, 88.8166, 140.9730



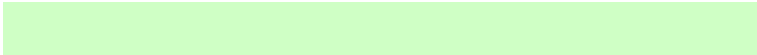
98.7170, 88.8166, 135.3936



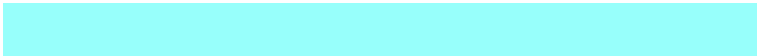
97.0222, 88.8166, 62.8368

Rectangle

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



71.5702, 88.8166, 66.1945



67.7288, 88.8166, 104.5218



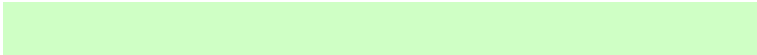
98.7170, 88.8166, 135.3936



103.6445, 88.8166, 89.2902

Sweetspot

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



71.5708, 88.8169, 66.1959



87.0804, 96.2083, 94.2161



83.7796, 90.2138, 65.8220



18.4985, 20.5257, 19.9091



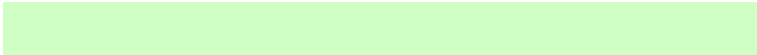
0.0000, 0.0000, 0.0000



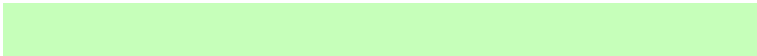
20.3446, 21.4041, 23.3091

Same Dimension

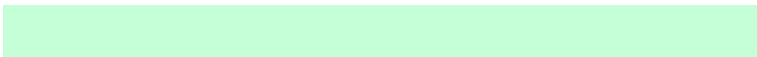
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5708, 88.8169, 66.1959



67.9329, 87.0800, 59.7657



71.0997, 88.3159, 77.8376



18.0634, 20.3186, 19.1142



19.3117, 37.6936, 6.2578



1.9572, 3.7097, 0.6129

Inverse Universe

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



75.6733, 66.5662, 103.4679



72.6475, 61.4789, 102.6454



76.4394, 67.2866, 88.7995



18.4673, 18.1326, 22.7766



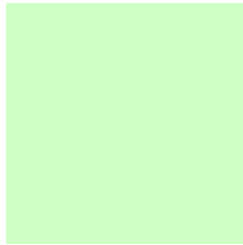
23.5867, 11.0699, 50.3281



2.3739, 1.1177, 4.9039

Previews

White Background



This preview shows how the XYZ color 71.5702, 88.8166, 66.1945 looks on a white background.

Color Contrast Check

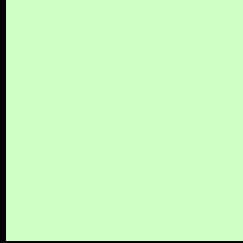
Large Text (above 18pt) WCAG AA × Fail

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 71.5702, 88.8166, 66.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

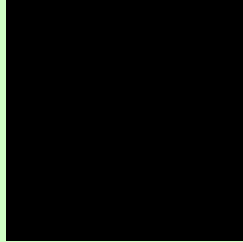
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

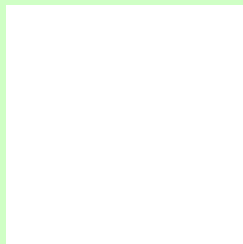
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.5702, 88.8166, 66.1945

Background



This preview shows how black text looks on a background with the XYZ color 71.5702, 88.8166, 66.1945.

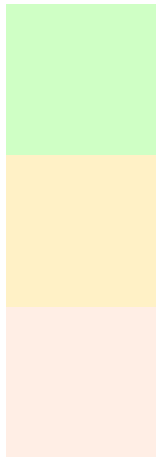


This preview shows how white text looks on a background with the XYZ color 71.5702, 88.8166,

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

71.5702, 88.8166, 66.1945

Protanopia

82.8883, 88.2478, 66.0909

Deuteranopia

85.9574, 88.0662, 86.5968



Tritanopia

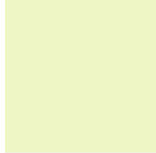
82.7138, 88.5794, 107.3458

Trichromacy



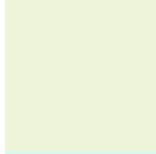
Original Color

71.5702, 88.8166, 66.1945



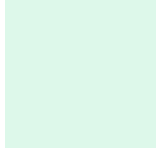
Protanomaly

78.4087, 88.1659, 66.3112



Deuteranomaly

80.1350, 87.8883, 78.3862



Tritanomaly

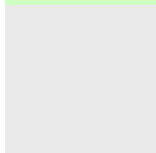
78.2375, 88.4475, 90.7904

Monochromacy



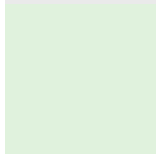
Original Color

71.5702, 88.8166, 66.1945



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5437, 84.5720, 80.7491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5702, 88.8166, 66.1945 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(207, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 197)  
}
```

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(207, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 71.5702, 88.8166, 66.1945 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(207, 255, 197) }
```


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

```
.border{ border-color:rgb(207, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5702, 88.8166, 66.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 197) }
```

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

```
.background{ background-color: rgb(207,  
255, 197) }
```

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