

Converting Colors

XYZ(70.6499, 88.5212, 58.0653)

Have a look what the booklet for
XYZ(70.6499, 88.5212, 58.0653)
contains.

XYZ(70.6017, 88.4942, 58.1597)	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(70.6017, 88.4942,
58.1597)**

Conversions

Conversions Part 1	
Format	Color
Hex	D1FFB7
RGB	209, 255, 183
RGB Percent	82%, 100%, 72%
CMY	0.1804, 0.0000, 0.2823
CMYK	0.18, 0.00, 0.28, 0.00
HSL	98°, 100%, 86%
HSV	98°, 28%, 100%
XYZ	70.6017, 88.4942, 58.1597
YIQ	233.0380, -4.3040, -32.1440

Conversions

Conversions Part 2

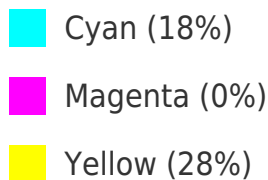
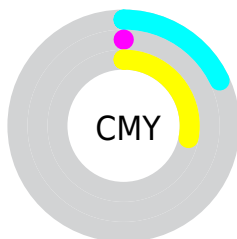
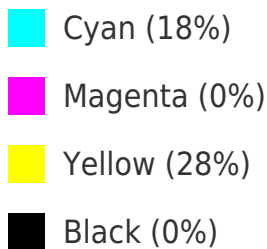
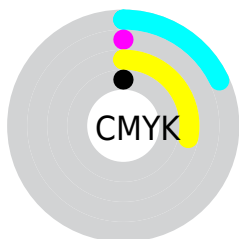
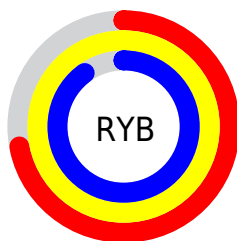
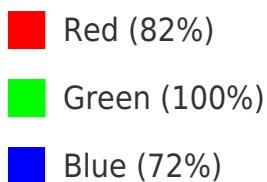
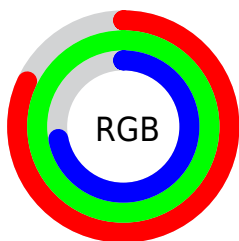
Format	Color
RYB	183, 255, 229
Decimal	13762487
CIELab	95.37, -27.21, 29.74
CIELCh	95, 40.312, 132.460
Yxy	88.4942, 0.3250, 0.4073
Android (android.graphics.Color)	4291952567 (0xFFD1FFB7)
YUV	233.0380, -24.6687, -21.0813
Hunter-Lab	94.0714, -30.6584, 29.1939

Details

The XYZ color **70.6017, 88.4942, 58.1597** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.2976, 57.7462, 102.2069**, and the grayscale version is **77.6624, 81.7069, 88.9788**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **37.5498, 48.8699, 28.5728** is the 20% darker color. If you saturate the color by 10%, you get **63.8069, 85.2707, 45.2195**, and if you desaturate by 10%, it is **78.3497, 92.1535, 73.6570**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6017, 88.4942, 58.1597 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 70.6017, 88.4942, 58.1597 by changing the saturation by 10% instead.

 70.6017, 88.4942,
58.1597

 70.6017, 88.4942,
58.1597


451.8934,
523.1203, 435.3956

 52.2986, 66.7324,
41.5215


 119.0880,
145.2450, 103.6725

 37.4684, 48.8672,
28.4040


150.0019,
181.0028, 133.3841

 25.7457, 34.5142,
18.3888


185.8502,
222.1947, 168.2906

 16.7651, 23.2889,
11.0571

226.9981,
269.2052, 208.8106

 10.1615, 14.8069,
5.9906

273.8110,
322.4186, 255.3625

 5.5692, 8.6840,
2.7707

326.6543,


 2.6231, 4.5357,


382.2193, 308.3650


0.9788


385.8933,
448.9917, 368.2365


 0.9577, 1.9775,
0.0000


 0.0000, 0.5943,
0.0000


 70.6017, 88.4942,
58.1597


 70.6017, 88.4942,
58.1597

 63.8069, 85.2707,
45.2195


 78.3497, 92.1535,
73.6570


 57.9239, 82.4648,
34.6950

 87.0871, 96.2645,
91.8346


 52.9099, 80.0575,
26.4370


95.0500, 100.0000,
108.9000

 48.7177, 78.0284,
20.2783

 45.2949, 76.3544,
16.0285

 42.5813, 75.0094,
13.4625

 40.4995, 73.9605,
12.2705

 40.1817, 73.7995,
12.1269

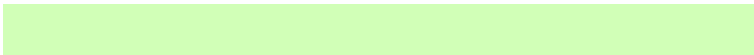
Harmonies

Analogous

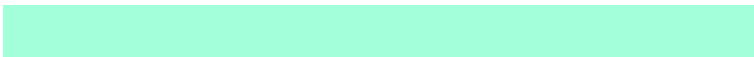
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6214, 88.4942, 48.4149



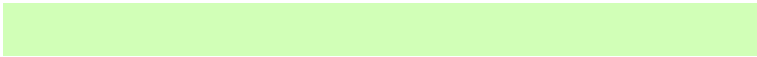
70.6017, 88.4942, 58.1597



65.4807, 88.4942, 79.1985

Triad

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



70.6017, 88.4942, 58.1597



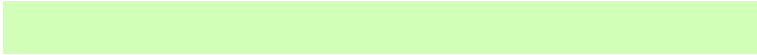
77.8852, 88.4942, 166.5775



106.5453, 88.4942, 83.8455

Complementary

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



70.6017, 88.4942, 58.1597



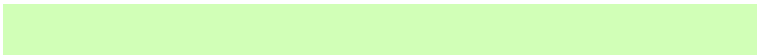
67.2976, 57.7462, 102.2069

Split Complementary

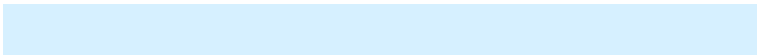
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.9772, 88.4942, 115.8261



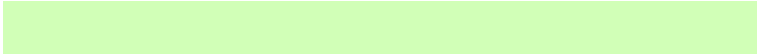
70.6017, 88.4942, 58.1597



88.7664, 88.4942, 168.5909

Square

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



70.6017, 88.4942, 58.1597



69.4265, 88.4942, 143.4043



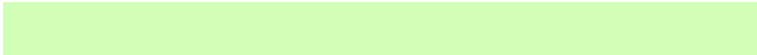
99.2424, 88.4942, 148.4196



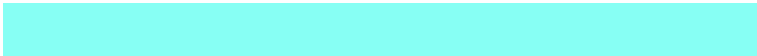
100.7327, 88.4942, 60.9187

Rectangle

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



70.6017, 88.4942, 58.1597



64.6669, 88.4942, 98.9835



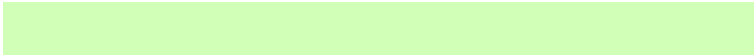
99.2424, 88.4942, 148.4196



107.1077, 88.4942, 93.7737

Sweetspot

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



70.6022, 88.4944, 58.1610



87.3041, 96.3664, 92.2938



77.6965, 80.4970, 56.2435



18.3907, 20.4873, 19.1295



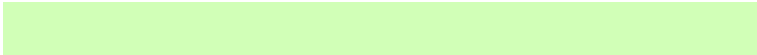
0.0000, 0.0000, 0.0000



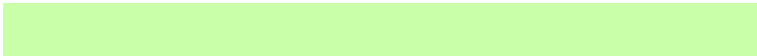
20.3446, 21.4041, 23.3091

Same Dimension

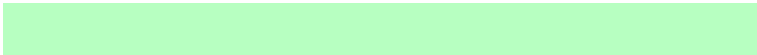
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6022, 88.4944, 58.1610



66.5705, 86.5837, 50.3962



64.8703, 85.4201, 63.2883



18.3907, 20.4873, 19.1295



21.1439, 38.6382, 6.3435



2.1731, 3.8211, 0.6230

Inverse Universe

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



67.2976, 57.7462, 102.2069



62.7534, 51.1344, 101.1702



74.7166, 61.7450, 94.6869



18.1192, 17.9532, 22.7603



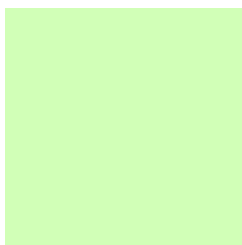
17.4844, 7.9240, 50.0425



1.8220, 0.8332, 4.8781

Previews

White Background



This preview shows how the XYZ color 70.6017, 88.4942, 58.1597 looks on a white background.

Color Contrast Check

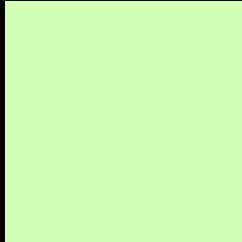
Large Text (above 18pt) WCAG AA × Fail

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 70.6017, 88.4942, 58.1597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

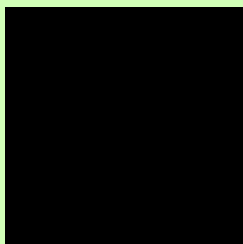
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

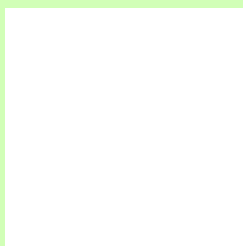
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6017, 88.4942, 58.1597

Background



This preview shows how black text looks on a background with the XYZ color 70.6017, 88.4942, 58.1597.

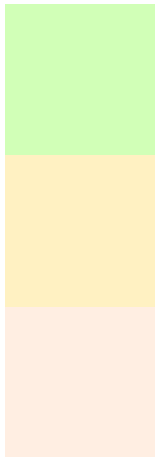


This preview shows how white text looks on a background with the XYZ color 70.6017, 88.4942,

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

70.6017, 88.4942, 58.1597

Protanopia

82.4329, 88.0656, 63.6926

Deuteranopia

85.5420, 87.9001, 84.4094



Tritanopia

82.7337, 88.1442, 107.2607

Trichromacy

	Original Color 70.6017, 88.4942, 58.1597
	Protanomaly 77.5099, 87.8064, 61.5783
	Deuteranomaly 79.2434, 87.5317, 73.6915
	Tritanomaly 77.5278, 87.7083, 86.9720

Monochromacy

	Original Color 70.6017, 88.4942, 58.1597
	Achromatopsia 77.4512, 81.4847, 88.7368
	Achromatomaly 74.4615, 83.6642, 76.5142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6017, 88.4942, 58.1597 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(209, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 183)  
}
```

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(209, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 70.6017, 88.4942, 58.1597 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(209, 255, 183) }
```


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

```
.border{ border-color:rgb(209, 255, 183) }
```

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

Here you see how a box with a 4 pixel rgb(209, 255, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6017, 88.4942, 58.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 183) }
```

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

```
.background{ background-color: rgb(209,  
255, 183) }
```

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