

Converting Colors

XYZ(70.5670, 88.4996, 57.1058)

Have a look what the booklet for
XYZ(70.5670, 88.4996, 57.1058)
contains.

XYZ(70.6788, 88.5578, 57.0843)	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(70.6788, 88.5578,
57.0843)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FFB5
RGB	210, 255, 181
RGB Percent	82%, 100%, 71%
CMY	0.1765, 0.0000, 0.2902
CMYK	0.18, 0.00, 0.29, 0.00
HSL	96°, 100%, 85%
HSV	96°, 29%, 100%
XYZ	70.6788, 88.5578, 57.0843
YIQ	233.1090, -3.0660, -32.5540

Conversions

Conversions Part 2

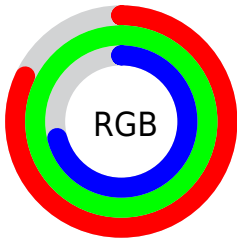
Format	Color
RYB	181, 255, 226
Decimal	13828021
CIELab	95.40, -27.16, 30.79
CIElCh	95, 41.062, 131.417
Yxy	88.5578, 0.3267, 0.4094
Android (android.graphics.Color)	4292018101 (0xFFD2FFB5)
YUV	233.1090, -25.6897, -20.2666
Hunter-Lab	94.1052, -30.6195, 29.9082

Details

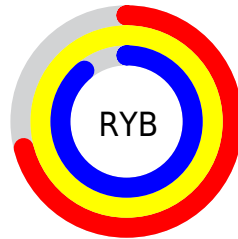
The XYZ color **70.6788, 88.5578, 57.0843** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.9390, 56.4378, 102.0260**, and the grayscale version is **77.7227, 81.7703, 89.0479**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **37.6079, 48.9152, 27.8815** is the 20% darker color. If you saturate the color by 10%, you get **64.0937, 85.4382, 44.3452**, and if you desaturate by 10%, it is **78.1716, 92.0900, 72.3682**.

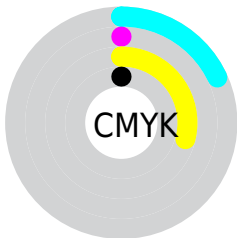
Distribution



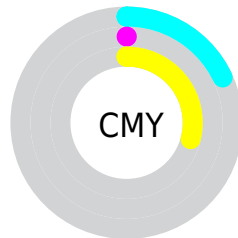
- Red (82%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6788, 88.5578, 57.0843 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 70.6788, 88.5578, 57.0843 by changing the saturation by 10% instead.


 70.6788, 88.5578,
57.0843

 70.6788, 88.5578,
57.0843


452.1591,
523.3282, 431.2677

 52.3617, 66.7851,
40.6631


 119.1973,
145.3335, 102.0897

 37.5189, 48.9100,
27.7382


150.1293,
181.1053, 131.5111

 25.7850, 34.5481,
17.8911


185.9971,
222.3122, 166.1029

 16.7947, 23.3150,
10.7032

227.1660,
269.3387, 206.2837

 10.1826, 14.8263,
5.7560

274.0013,
322.5692, 252.4720

 5.5834, 8.6975,
2.6309

326.8683,

 2.6317, 4.5444,

382.3880, 305.0864

0.9083

386.1325,
449.1795, 364.5455

■ 0.9621, 1.9825,
0.0000

■ 0.0000, 0.5973,
0.0000

■ 70.6788, 88.5578,
57.0843

■ 70.6788, 88.5578,
57.0843

■ 64.0937, 85.4382,
44.3452

■ 78.1716, 92.0900,
72.3682

■ 58.3767, 82.7139,
34.0086

■ 86.6065, 96.0497,
90.3206

■ 53.4869, 80.3670,
25.9242

95.0500, 100.0000,
108.9000

■ 49.3791, 78.3779,
19.9235

■ 46.0029, 76.7248,
15.8139

■ 43.3002, 75.3829,
13.3670

■ 41.1912, 74.3183,
12.2457

■ 41.0077, 74.2253,
12.1656

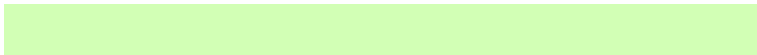
Harmonies

Analogous

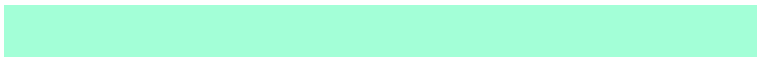
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9687, 88.5578, 47.6196



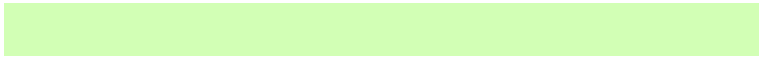
70.6788, 88.5578, 57.0843



65.3171, 88.5578, 78.0283

Triad

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



70.6788, 88.5578, 57.0843



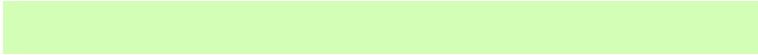
77.4758, 88.5578, 167.7274



107.1627, 88.5578, 84.6926

Complementary

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



70.6788, 88.5578, 57.0843



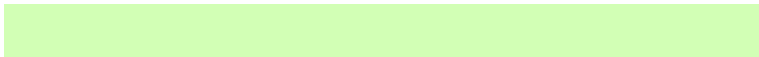
65.9390, 56.4378, 102.0260

Split Complementary

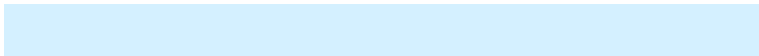
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.3443, 88.5578, 117.5060



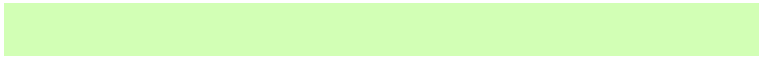
70.6788, 88.5578, 57.0843



88.5191, 88.5578, 170.6374

Square

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



70.6788, 88.5578, 57.0843



68.9939, 88.5578, 143.3968



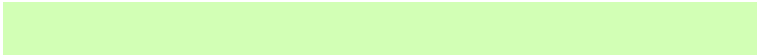
99.2807, 88.5578, 150.6360



101.4263, 88.5578, 61.0250

Rectangle

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



70.6788, 88.5578, 57.0843



64.3765, 88.5578, 97.9623



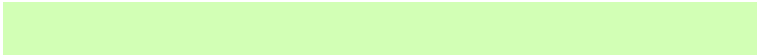
99.2807, 88.5578, 150.6360



107.6577, 88.5578, 94.9027

Sweetspot

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



70.6793, 88.5580, 57.0856



86.6231, 96.0575, 90.3566



76.6145, 78.6638, 54.8630



18.2654, 20.4311, 18.7443



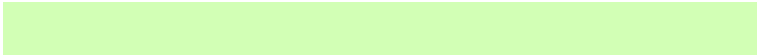
0.0000, 0.0000, 0.0000



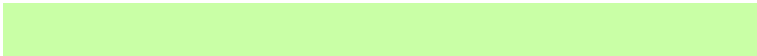
20.3446, 21.4041, 23.3091

Same Dimension

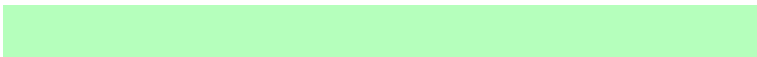
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6793, 88.5580, 57.0856



66.6336, 86.6435, 49.1682



63.9372, 84.9923, 60.8399



18.4449, 20.5152, 19.1320



21.5829, 38.8645, 6.3641



2.2198, 3.8451, 0.6252

Inverse Universe

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



65.9390, 56.4378, 102.0260



61.1635, 49.6211, 100.9619



74.6457, 61.0613, 96.3339



18.0632, 17.9243, 22.7577



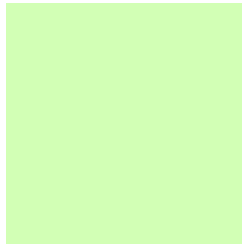
16.6743, 7.5064, 50.0046



1.7462, 0.7941, 4.8745

Previews

White Background



This preview shows how the XYZ color 70.6788, 88.5578, 57.0843 looks on a white background.

Color Contrast Check

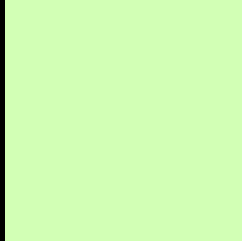
Large Text (above 18pt) WCAG AA × Fail

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 70.6788, 88.5578, 57.0843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

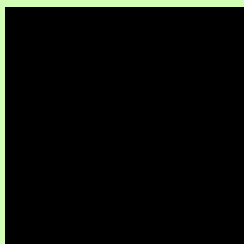
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

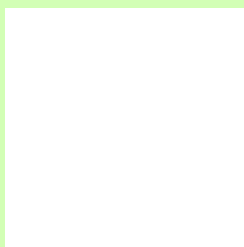
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6788, 88.5578, 57.0843

Background



This preview shows how black text looks on a background with the XYZ color 70.6788, 88.5578, 57.0843.

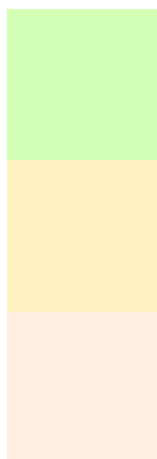


This preview shows how white text looks on a background with the XYZ color 70.6788, 88.5578,

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

70.6788, 88.5578, 57.0843

Protanopia

82.4329, 88.0656, 63.6926

Deuteranopia

85.5420, 87.9001, 84.4094



Tritanopia

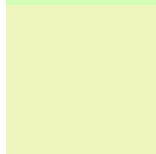
82.7337, 88.1442, 107.2607

Trichromacy



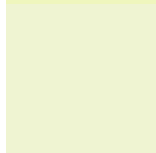
Original Color

70.6788, 88.5578, 57.0843



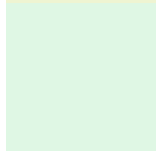
Protanomaly

77.7377, 87.9364, 61.0203



Deuteranomaly

79.5801, 87.7052, 73.7072



Tritanomaly

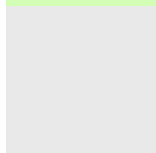
77.6958, 87.8109, 86.2530

Monochromacy



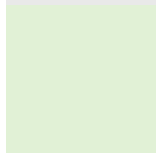
Original Color

70.6788, 88.5578, 57.0843



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6442, 83.7732, 75.8540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6788, 88.5578, 57.0843 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(210, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 181)  
}
```

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(210, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 181) }
```

Border

The CSS property to change the border of an element to XYZ 70.6788, 88.5578, 57.0843 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(210, 255, 181) }
```


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

```
.border{ border-color:rgb(210, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6788, 88.5578, 57.0843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 181) }
```

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

```
.background{ background-color: rgb(210,  
255, 181) }
```

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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