

Converting Colors

XYZ(69.7781, 88.0666, 58.2558)

Have a look what the booklet for
XYZ(69.7781, 88.0666, 58.2558)
contains.

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Color

**XYZ(69.7608, 88.0607,
58.1204)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFB7
RGB	206, 255, 183
RGB Percent	81%, 100%, 72%
CMY	0.1922, 0.0000, 0.2823
CMYK	0.19, 0.00, 0.28, 0.00
HSL	101°, 100%, 86%
HSV	101°, 28%, 100%
XYZ	69.7608, 88.0607, 58.1204
YIQ	232.1410, -6.0920, -32.7800

Conversions

Conversions Part 2

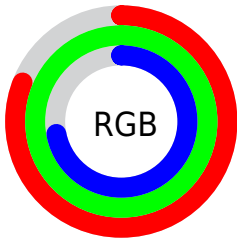
Format	Color
RYB	183, 255, 232
Decimal	13565879
CIELab	95.19, -28.23, 29.46
CIELCh	95, 40.807, 133.780
Yxy	88.0607, 0.3231, 0.4078
Android (android.graphics.Color)	4291755959 (0xFFCEFFB7)
YUV	232.1410, -24.2265, -22.9257
Hunter-Lab	93.8407, -31.5249, 28.9671

Details

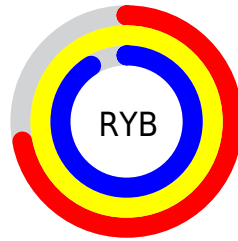
The XYZ color **69.7608, 88.0607, 58.1204** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.2633, 58.2441, 102.2521**, and the grayscale version is **76.9858, 80.9951, 88.2036**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **36.9858, 48.5792, 28.5465** is the 20% darker color. If you saturate the color by 10%, you get **62.7874, 84.7451, 45.1719**, and if you desaturate by 10%, it is **77.7481, 91.8433, 73.6289**.

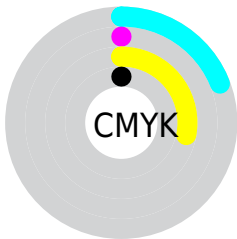
Distribution



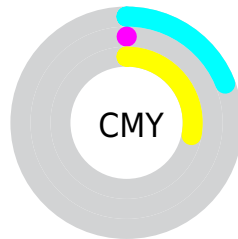
- Red (81%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (91%)



- Cyan (19%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7608, 88.0607, 58.1204 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 69.7608, 88.0607, 58.1204 by changing the saturation by 10% instead.


 69.7608, 88.0607,
58.1204

 69.7608, 88.0607,
58.1204


448.9892,
521.7020, 435.2452

 51.6104, 66.3733,
41.4901


 117.8957,
144.6417, 103.6147

 36.9177, 48.5755,
28.3797


148.6110,
180.3041, 133.3157

 25.3171, 34.2829,
18.3705

184.2452,
221.3936, 168.2108

 16.4435, 23.1110,
11.0441

225.1639,
268.2946, 208.7184

 9.9313, 14.6755,
5.9820

271.7322,
321.3916, 255.2571

 5.4154, 8.5920,
2.7655

324.3157,

 2.5302, 4.4760,

381.0689, 308.2455

0.9762

383.2795,
447.7109, 368.1020

■ 0.9105, 1.9432,
0.0000

■ 0.0000, 0.5742,
0.0000

■ 69.7608, 88.0607,
58.1204

■ 69.7608, 88.0607,
58.1204

■ 62.7874, 84.7451,
45.1719

■ 77.7481, 91.8433,
73.6289

■ 56.7832, 81.8767,
34.6417

■ 86.7882, 96.1104,
91.8207

■ 51.7022, 79.4349,
26.3806

95.0500, 100.0000,
108.9000

■ 47.4935, 77.3973,
20.2211

■ 44.1008, 75.7388,
15.9726

■ 41.4595, 74.4311,
13.4100

■ 39.4875, 73.4387,
12.2232

■ 39.1925, 73.2895,
12.0806

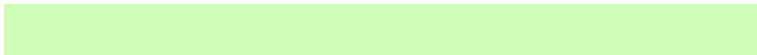
Harmonies

Analogous

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



78.7092, 88.0607, 47.8617



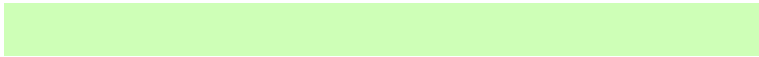
69.7608, 88.0607, 58.1204



64.8027, 88.0607, 79.7761

Triad

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



69.7608, 88.0607, 58.1204



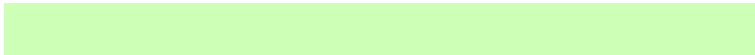
77.8678, 88.0607, 167.5126



106.2283, 88.0607, 82.0256

Complementary

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



69.7608, 88.0607, 58.1204



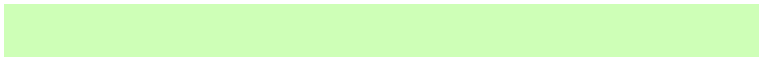
68.2633, 58.2441, 102.2521

Split Complementary

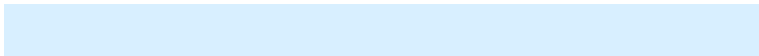
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.9523, 88.0607, 114.0242



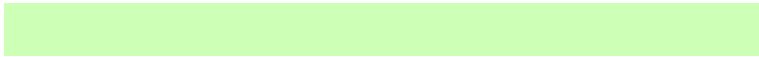
69.7608, 88.0607, 58.1204



88.8955, 88.0607, 168.4937

Square

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



69.7608, 88.0607, 58.1204



69.1920, 88.0607, 144.7938



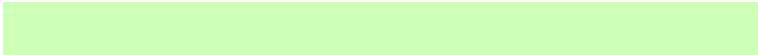
99.3802, 88.0607, 147.2350



100.1041, 88.0607, 59.4514

Rectangle

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



69.7608, 88.0607, 58.1204



64.1267, 88.0607, 99.9763



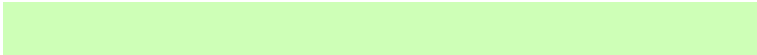
99.3802, 88.0607, 147.2350



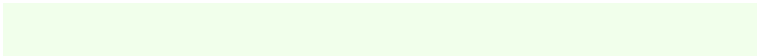
106.8965, 88.0607, 91.9032

Sweetspot

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



69.7613, 88.0609, 58.1217



87.0130, 96.2163, 92.2801



78.3636, 81.8313, 56.4659



18.3177, 20.4497, 19.1261



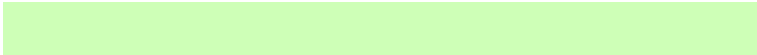
0.0000, 0.0000, 0.0000



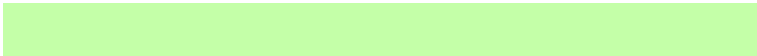
20.3446, 21.4041, 23.3091

Same Dimension

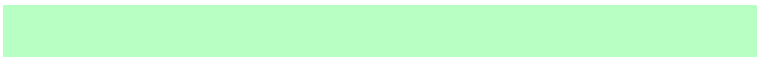
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7613, 88.0609, 58.1217



65.6194, 86.0934, 50.3517



65.1396, 85.5278, 64.7063



18.3177, 20.4497, 19.1261



20.6155, 38.3657, 6.3188



2.1153, 3.7912, 0.6203

Inverse Universe

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



68.2633, 58.2441, 102.2521



63.8830, 51.7168, 101.2231



74.3517, 61.5991, 92.7654



18.1953, 17.9924, 22.7638



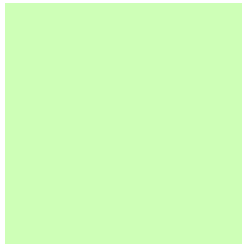
18.6618, 8.5310, 50.0976



1.9308, 0.8893, 4.8832

Previews

White Background



This preview shows how the XYZ color 69.7608, 88.0607, 58.1204 looks on a white background.

Color Contrast Check

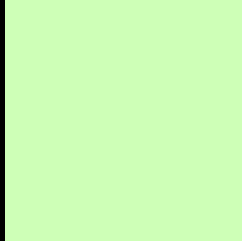
Large Text (above 18pt) WCAG AA × Fail

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 69.7608, 88.0607, 58.1204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

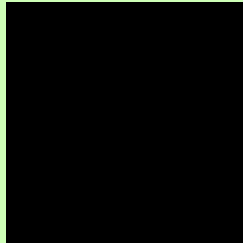
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

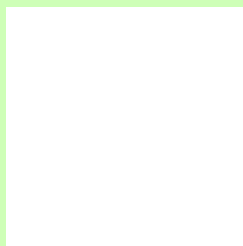
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7608, 88.0607, 58.1204

Background



This preview shows how black text looks on a background with the XYZ color 69.7608, 88.0607, 58.1204.



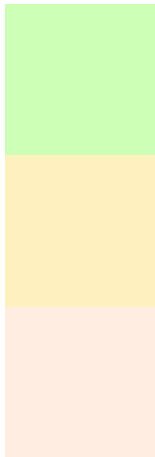
This preview shows how white text looks on a background with the XYZ color 69.7608, 88.0607,

58.1204.

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

69.7608, 88.0607, 58.1204

Protanopia

81.8041, 87.3418, 61.8373

Deuteranopia

85.1148, 87.2646, 83.5919



Tritanopia

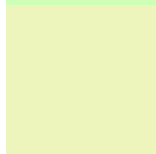
82.0955, 87.8152, 107.2309

Trichromacy



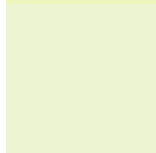
Original Color

69.7608, 88.0607, 58.1204



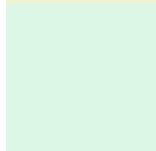
Protanomaly

76.6546, 86.9402, 60.3180



Deuteranomaly

78.9086, 87.3590, 73.6758



Tritanomaly

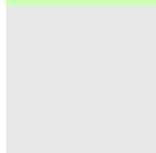
76.9188, 87.3943, 86.9435

Monochromacy



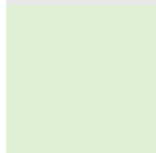
Original Color

69.7608, 88.0607, 58.1204



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.7291, 82.8632, 75.7266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7608, 88.0607, 58.1204 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(206, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 69.7608, 88.0607, 58.1204 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(206, 255, 183) }
```


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

```
.border{ border-color:rgb(206, 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(206, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7608, 88.0607, 58.1204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 183) }
```

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

```
.background{ background-color: rgb(206,  
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](#).

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