

Converting Colors

XYZ(69.7014, 88.0168, 58.7179)

Have a look what the booklet for
XYZ(69.7014, 88.0168, 58.7179)
contains.

XYZ(69.5886, 87.9598, 58.6576)	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(69.5886, 87.9598,
58.6576)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>CDFFB8</code>
RGB	205, 255, 184
RGB Percent	80%, 100%, 72%
CMY	0.1961, 0.0000, 0.2784
CMYK	0.20, 0.00, 0.28, 0.00
HSL	102°, 100%, 86%
HSV	102°, 28%, 100%
XYZ	69.5886, 87.9598, 58.6576
YIQ	231.9560, -7.0090, -32.6810

Conversions

Conversions Part 2

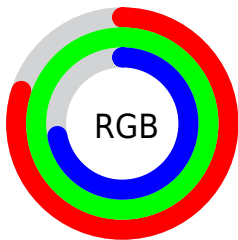
Format	Color
RYB	184, 255, 234
Decimal	13500344
CIELab	95.14, -28.42, 28.89
CIELCh	95, 40.528, 134.531
Yxy	87.9598, 0.3219, 0.4068
Android (android.graphics.Color)	4291690424 (0xFFCDDFB8)
YUV	231.9560, -23.6423, -23.6404
Hunter-Lab	93.7869, -31.6825, 28.5688

Details

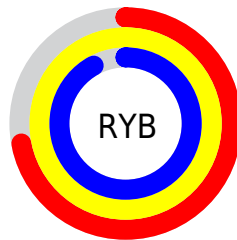
The XYZ color **69.5886, 87.9598, 58.6576** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.1230, 58.9946, 102.3517**, and the grayscale version is **76.8435, 80.8453, 88.0406**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **36.8010, 48.4839, 28.5378** is the 20% darker color. If you saturate the color by 10%, you get **62.4790, 84.5762, 45.6068**, and if you desaturate by 10%, it is **77.7497, 91.8298, 74.2753**.

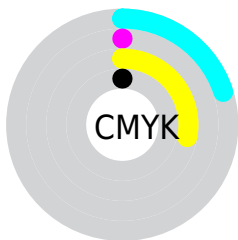
Distribution



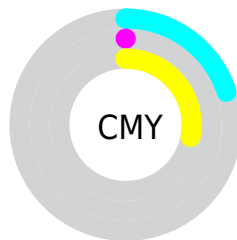
- Red (80%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (92%)



- Cyan (20%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5886, 87.9598, 58.6576 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 69.5886, 87.9598, 58.6576 by changing the saturation by 10% instead.


 69.5886, 87.9598,
58.6576

 69.5886, 87.9598,
58.6576


448.3932,
521.3716, 437.2984

 51.4696, 66.2898,
41.9194


 117.6514,
144.5012, 104.4041

 36.8050, 48.5077,
28.7130


148.3258,
180.1413, 134.2494

 25.2296, 34.2291,
18.6201


183.9161,
221.2070, 169.3008

 16.3778, 23.0697,
11.2221

224.7877,
268.0825, 209.9769

 9.8844, 14.6449,
6.1004

271.3058,
321.1524, 256.6961

 5.3841, 8.5706,
2.8364

323.8359,

 2.5114, 4.4622,

380.8009, 309.8771

1.0117

382.7432,
447.4125, 369.9383

■ 0.9010, 1.9353,
0.0000

■ 0.0000, 0.5695,
0.0000

■ 69.5886, 87.9598,
58.6576

■ 69.5886, 87.9598,
58.6576

■ 62.4790, 84.5762,
45.6068

■ 77.7497, 91.8298,
74.2753

■ 56.3743, 81.6580,
34.9815

■ 87.0030, 96.2045,
92.5828

■ 51.2265, 79.1836,
26.6329

95.0500, 100.0000,
108.9000

■ 46.9827, 77.1296,
20.3944

■ 43.5842, 75.4697,
16.0761

■ 40.9642, 74.1743,
13.4545

■ 39.0393, 73.2070,
12.2308

■ 38.6947, 73.0329,
12.0573

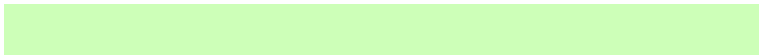
Harmonies

Analogous

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



78.3918, 87.9598, 48.1717



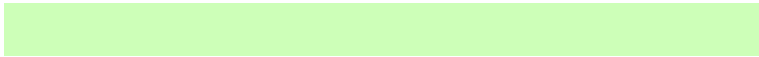
69.5886, 87.9598, 58.6576



64.7760, 87.9598, 80.4629

Triad

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



69.5886, 87.9598, 58.6576



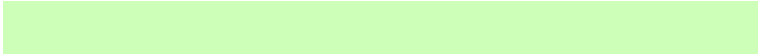
78.0707, 87.9598, 167.0865



105.8701, 87.9598, 81.3217

Complementary

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



69.5886, 87.9598, 58.6576



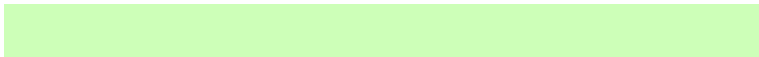
69.1230, 58.9946, 102.3517

Split Complementary

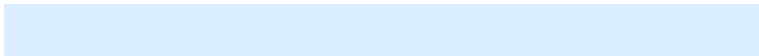
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.7649, 87.9598, 112.9122



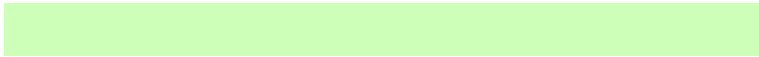
69.5886, 87.9598, 58.6576



89.0405, 87.9598, 167.4600

Square

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



69.5886, 87.9598, 58.6576



69.3714, 87.9598, 145.0212



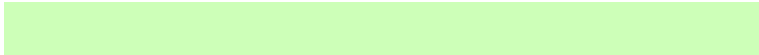
99.3833, 87.9598, 145.9510



99.6592, 87.9598, 59.1665

Rectangle

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



69.5886, 87.9598, 58.6576



64.1853, 87.9598, 100.6542



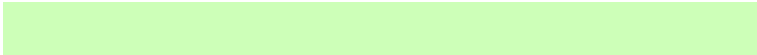
99.3833, 87.9598, 145.9510



106.5885, 87.9598, 91.0527

Sweetspot

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



69.5891, 87.9601, 58.6589



86.8483, 96.1314, 92.2724



79.2296, 83.3961, 57.2699



18.2764, 20.4284, 19.1241



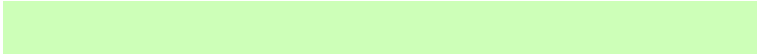
0.0000, 0.0000, 0.0000



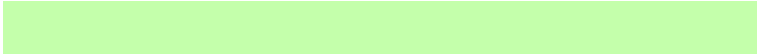
20.3446, 21.4041, 23.3091

Same Dimension

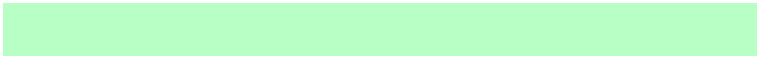
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5891, 87.9601, 58.6589



65.7935, 86.1553, 51.6151



65.7441, 85.7972, 66.6437



18.2764, 20.4284, 19.1241



20.3481, 38.2279, 6.3063



2.0851, 3.7757, 0.6189

Inverse Universe

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



69.1230, 58.9946, 102.3517



65.2534, 53.1306, 101.4237



74.2284, 61.8809, 91.0949



18.2388, 18.0148, 22.7659



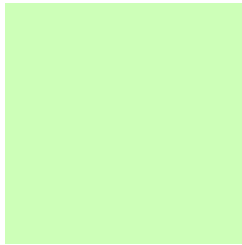
19.3725, 8.8974, 50.1309



1.9959, 0.9228, 4.8862

Previews

White Background



This preview shows how the XYZ color 69.5886, 87.9598, 58.6576 looks on a white background.

Color Contrast Check

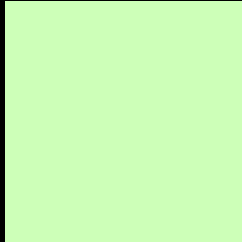
Large Text (above 18pt) WCAG AA × Fail

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 69.5886, 87.9598, 58.6576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

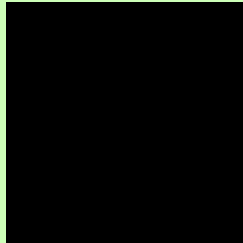
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

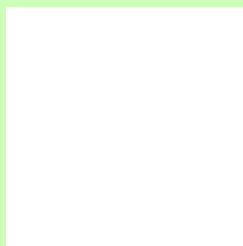
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5886, 87.9598, 58.6576

Background



This preview shows how black text looks on a background with the XYZ color 69.5886, 87.9598, 58.6576.

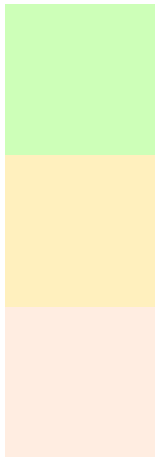


This preview shows how white text looks on a background with the XYZ color 69.5886, 87.9598,

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

69.5886, 87.9598, 58.6576

Protanopia

81.6944, 87.2979, 61.2596

Deuteranopia

85.1148, 87.2646, 83.5919



Tritanopia

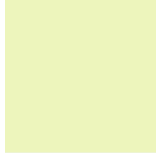
81.7791, 87.6521, 107.2161

Trichromacy



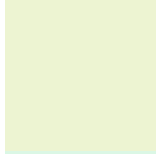
Original Color

69.5886, 87.9598, 58.6576



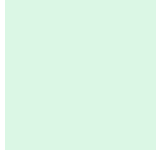
Protanomaly

76.6546, 86.9402, 60.3180



Deuteranomaly

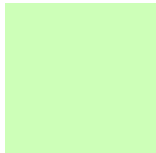
78.9086, 87.3590, 73.6758



Tritanomaly

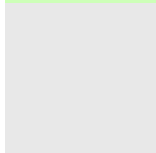
76.6170, 87.2387, 86.9294

Monochromacy



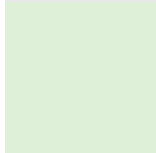
Original Color

69.5886, 87.9598, 58.6576



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.5500, 82.7561, 76.3870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5886, 87.9598, 58.6576 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(205, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 184)  
}
```

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(205, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 69.5886, 87.9598, 58.6576 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(205, 255, 184) }
```


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

```
.border{ border-color:rgb(205, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5886, 87.9598, 58.6576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 184) }
```

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

```
.background{ background-color: rgb(205,  
255, 184) }
```

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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