

# Converting Colors

XYZ(66.0395, 86.3097, 50.3844)

Have a look what the booklet for  
XYZ(66.0395, 86.3097, 50.3844)  
contains.

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# Color

**XYZ(66.1166, 86.3529,  
50.2289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFA8
RGB	198, 255, 168
RGB Percent	78%, 100%, 66%
CMY	0.2235, 0.0000, 0.3412
CMYK	0.22, 0.00, 0.34, 0.00
HSL	99°, 100%, 83%
HSV	99°, 34%, 100%
XYZ	66.1166, 86.3529, 50.2289
YIQ	228.0390, -6.0450, -39.1410

# Conversions

## Conversions Part 2

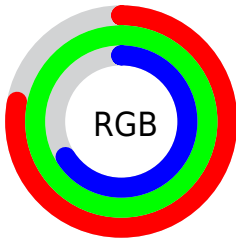
Format	Color
<a href="#">RYB</a>	<a href="#">168, 255, 225</a>
Decimal	<a href="#">13041576</a>
CIELab	<a href="#">94.46, -33.11, 35.92</a>
CIELCh	<a href="#">94, 48.850, 132.670</a>
Yxy	<a href="#">86.3529, 0.3262, 0.4260</a>
Android (android.graphics.Color)	<a href="#">4291231656</a> ( <a href="#">0xFFC6FFA8</a> )
YUV	<a href="#">228.0390, -29.5992, -26.3442</a>
Hunter-Lab	<a href="#">92.9263, -35.6190, 33.0007</a>

# Details

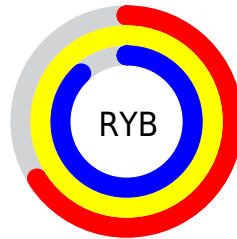
The XYZ color **66.1166, 86.3529, 50.2289** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **63.1051, 51.2341, 101.1709**, and the grayscale version is **73.9838, 77.8368, 84.7642**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **34.6163, 47.4656, 23.5570** is the 20% darker color. If you saturate the color by 10%, you get **59.8053, 83.3474, 38.7251**, and if you desaturate by 10%, it is **73.3805, 89.7956, 64.2113**.

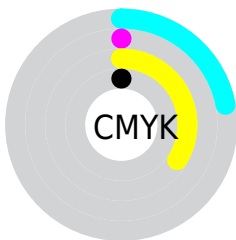
# Distribution



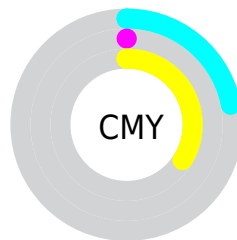
- Red (78%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (88%)



- Cyan (22%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1166, 86.3529, 50.2289 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 66.1166, 86.3529, 50.2289 by changing the saturation by 10% instead.





 66.1166, 86.3529,  
50.2289

 66.1166, 86.3529,  
50.2289

436.2758,  
516.0941, 404.3211

 48.6351, 64.9598,  
35.2229


 112.7105,  
142.2618, 91.9137

 34.5435, 47.4285,  
23.5497


142.5536,  
177.5465, 119.4296

 23.4763, 33.3745,  
14.7908


177.2479,  
218.2305, 151.9525

 15.0682, 22.4135,  
8.5277

217.1589,  
264.6982, 189.9009

 8.9539, 14.1611,  
4.3419

262.6518,  
317.3340, 233.6935

 4.7680, 8.2328,  
1.8147

314.0920,

 2.1451, 4.2443,

376.5224, 283.7486

0.4376

371.8449,  
442.6476, 340.4850

■ 0.7136, 1.8111,  
0.0000

■ 0.0000, 0.4941,  
0.0000

■ 66.1166, 86.3529,  
50.2289

■ 66.1166, 86.3529,  
50.2289

■ 59.8053, 83.3474,  
38.7251

■ 73.3805, 89.7956,  
64.2113

■ 54.4022, 80.7595,  
29.5513

■ 81.6357, 93.6927,  
80.8015

■ 49.8610, 78.5687,  
22.5489

■ 90.9204, 98.0611,  
100.1244

■ 46.1302, 76.7524,  
17.5381

95.0500, 100.0000,  
108.9000

■ 43.1517, 75.2853,  
14.3098

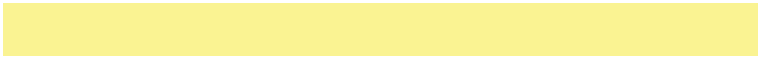
■ 40.8571, 74.1377,  
12.6087

■ 39.7777, 73.5912,  
12.1080

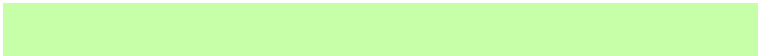
# Harmonies

## Analogous

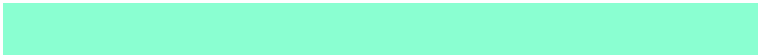
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6586, 86.3529, 39.6267



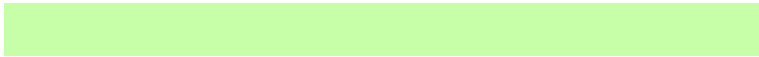
66.1166, 86.3529, 50.2289



60.2449, 86.3529, 74.0772

# Triad

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



66.1166, 86.3529, 50.2289



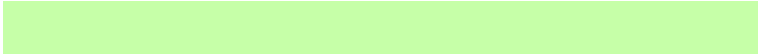
74.7785, 86.3529, 181.3802



109.2727, 86.3529, 79.0306

# Complementary

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



66.1166, 86.3529, 50.2289



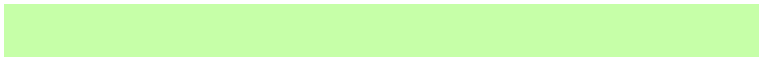
63.1051, 51.2341, 101.1709

# Split Complementary

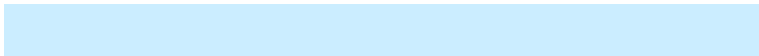
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.6306, 86.3529, 117.2632



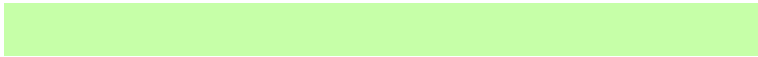
66.1166, 86.3529, 50.2289



87.7425, 86.3529, 183.7498

# Square

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



66.1166, 86.3529, 50.2289



64.8671, 86.3529, 152.0795



100.4164, 86.3529, 157.8833

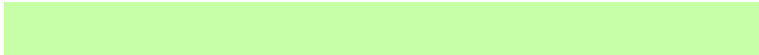


102.0870, 86.3529, 53.0175



# Rectangle

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



66.1166, 86.3529, 50.2289



59.3387, 86.3529, 97.4345



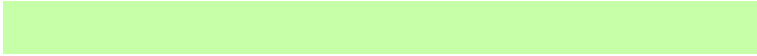
100.4164, 86.3529, 157.8833



109.9855, 86.3529, 90.6933

# Sweetspot

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



66.1170, 86.3531, 50.2302



85.3311, 95.4330, 88.4183



75.1121, 77.6952, 48.0850



17.9901, 20.2975, 18.3573



0.0000, 0.0000, 0.0000

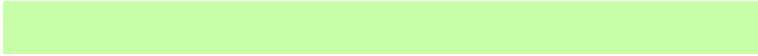


20.3446, 21.4041, 23.3091

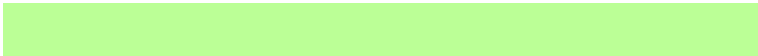


# Same Dimension

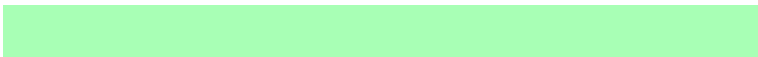
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1170, 86.3531, 50.2302



61.6729, 84.2384, 42.0537



60.2549, 83.1835, 56.6245



18.3621, 20.4726, 19.1281



20.9285, 38.5271, 6.3334



2.1498, 3.8090, 0.6219



# Inverse Universe

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



63.1051, 51.2341, 101.1709



58.2265, 44.2288, 100.0759



71.2627, 55.6741, 90.9556



18.1489, 17.9685, 22.7617



17.9334, 8.1555, 50.0636

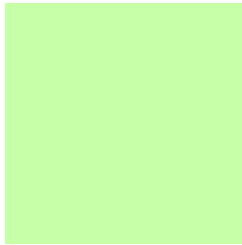


1.8637, 0.8547, 4.8800



# Previews

## White Background



This preview shows how the XYZ color 66.1166, 86.3529, 50.2289 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 66.1166, 86.3529, 50.2289 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

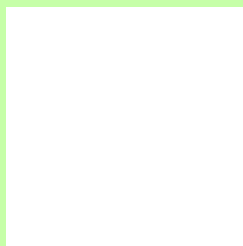
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.1166, 86.3529, 50.2289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.1166, 86.3529, 50.2289.



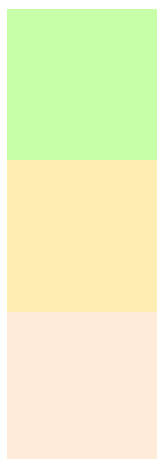
This preview shows how white text looks on a background with the XYZ color 66.1166, 86.3529,

50.2289.

# 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

66.1166, 86.3529, 50.2289

### Protanopia

79.7503, 85.5834, 53.9109

### Deuteranopia

83.6032, 85.7386, 78.4725



## Tritanopia

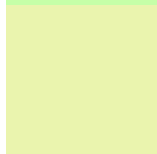
79.9263, 86.2539, 107.0438

# Trichromacy



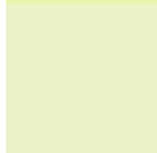
## Original Color

66.1166, 86.3529, 50.2289



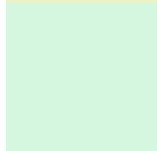
## Protanomaly

73.9223, 85.2498, 52.6031



## Deuteranomaly

76.1091, 85.1668, 67.0710



## Tritanomaly

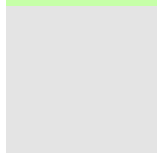
74.0206, 85.9954, 82.5095

# Monochromacy



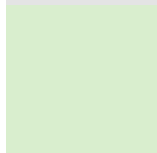
## Original Color

66.1166, 86.3529, 50.2289



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.3304, 80.3570, 70.1962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1166, 86.3529, 50.2289 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(198, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 168)  
}
```

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(198, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1166, 86.3529, 50.2289 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(198, 255, 168) }
```



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

```
.border{ border-color:rgb(198, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1166, 86.3529, 50.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 168) }
```

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

```
.background{ background-color: rgb(198,  
255, 168) }
```

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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