

# Converting Colors

XYZ(51.8720, 76.6503, 48.0173)

Have a look what the booklet for  
XYZ(51.8720, 76.6503, 48.0173)  
contains.

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# Color

**XYZ(51.8838, 76.6998,  
48.1464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CFAA6
RGB	140, 250, 166
RGB Percent	55%, 98%, 65%
CMY	0.4510, 0.0196, 0.3490
CMYK	0.44, 0.00, 0.34, 0.02
HSL	134°, 92%, 76%
HSV	134°, 44%, 98%
XYZ	51.8838, 76.6998, 48.1464
YIQ	207.5340, -38.5960, -49.4440

# Conversions

## Conversions Part 2

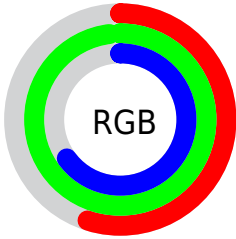
Format	Color
<a href="#">RYB</a>	<a href="#">140, 229, 250</a>
Decimal	<a href="#">9239206</a>
CIELab	<a href="#">90.18, -49.05, 30.71</a>
CIELCh	<a href="#">90, 57.870, 147.955</a>
Yxy	<a href="#">76.6998, 0.2936, 0.4340</a>
Android (android.graphics.Color)	<a href="#">4287429286 (0xFF8CFAA6)</a>
YUV	<a href="#">207.5340, -20.4763, -59.2273</a>
Hunter-Lab	<a href="#">87.5784, -47.5141, 28.7101</a>

# Details

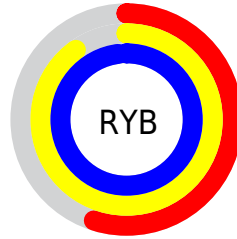
The XYZ color **51.8838, 76.6998, 48.1464** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.2595, 44.4637, 75.8248**, and the grayscale version is **59.8004, 62.9147, 68.5141**.

A 20% lighter version of the original color is **72.2335, 88.7997, 82.4402**, and **25.5303, 41.1260, 22.2153** is the 20% darker color. If you saturate the color by 10%, you get **46.5170, 74.1228, 39.4227**, and if you desaturate by 10%, it is **58.4715, 79.8804, 58.2876**.

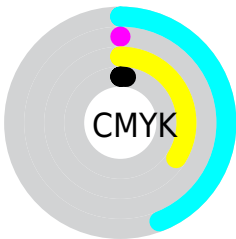
# Distribution



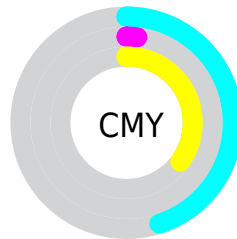
- Red (55%)
- Green (98%)
- Blue (65%)



- Red (55%)
- Yellow (90%)
- Blue (98%)



- Cyan (44%)
- Magenta (0%)
- Yellow (34%)
- Black (2%)




- Cyan (45%)
- Magenta (2%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8838, 76.6998, 48.1464 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 51.8838, 76.6998, 48.1464 by changing the saturation by 10% instead.





 51.8838, 76.6998,  
48.1464


 51.8838, 76.6998,  
48.1464


384.3192,  
483.7399, 395.8976

 37.1364, 57.0065,  
33.5820


 92.1351, 128.7156,  
88.7902

 25.4872, 41.0105,  
22.2979


 118.3696,  
161.8070, 115.7066

 16.5711, 28.3273,  
13.8756


149.1640,  
200.1331, 147.5775

 10.0226, 18.5725,  
7.8964

184.8834,  
244.0785, 184.8214

 5.4763, 11.3618,  
3.9419

225.8932,  
294.0274, 227.8568

 2.5670, 6.3107,  
1.5935


272.5589,


 0.9291, 3.0349,


350.3644, 277.1023


0.2862


325.2458,  
413.4738, 332.9763

 0.0000, 1.1500,  
0.0000


 0.0000, 0.0203,  
0.0000


 51.8838, 76.6998,  
48.1464


 51.8838, 76.6998,  
48.1464


 46.5170, 74.1228,  
39.4227


 58.4715, 79.8804,  
58.2876


 42.2880, 72.1016,  
32.0482

 66.3443, 83.6901,  
69.9003

 39.1128, 70.5962,  
25.9565

 75.5690, 88.1643,  
83.0421

 36.8922, 69.5572,  
21.0736

 86.2059, 93.3330,  
97.7658

■ 35.5069, 68.9248,  
17.3176

■ 93.4770, 96.8541,  
108.3757

■ 34.9788, 68.6908,  
15.5652

# Harmonies

## Analogous

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



60.6910, 76.6998, 31.2728



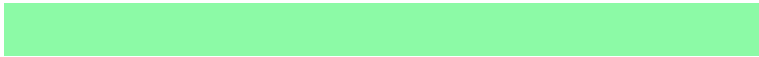
51.8838, 76.6998, 48.1464



48.6105, 76.6998, 80.7186

# Triad

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



51.8838, 76.6998, 48.1464



71.9185, 76.6998, 190.2931



100.1568, 76.6998, 51.6174

# Complementary

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



51.8838, 76.6998, 48.1464



62.2595, 44.4637, 75.8248

# 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.



104.1752, 76.6998, 86.3712



51.8838, 76.6998, 48.1464



86.6474, 76.6998, 174.8187

# Square

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



51.8838, 76.6998, 48.1464



59.1909, 76.6998, 170.2345



98.9422, 76.6998, 132.9749

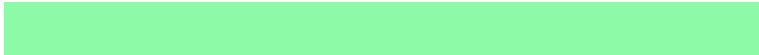


88.5795, 76.6998, 32.7642



# Rectangle

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



51.8838, 76.6998, 48.1464



49.6320, 76.6998, 110.3828



98.9422, 76.6998, 132.9749



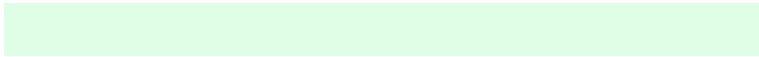
102.4981, 76.6998, 61.4012

# Sweetspot

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



51.8858, 76.7030, 48.1481



80.0771, 92.7214, 88.3080



69.7660, 86.1688, 37.7669



16.6498, 19.6083, 18.2137



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.



51.8858, 76.7030, 48.1481



49.1356, 77.7626, 42.0375



58.0099, 79.1526, 80.3973



17.1855, 19.3765, 19.1774



18.5991, 36.4527, 8.4984



1.7619, 3.3919, 0.9940



# Inverse Universe

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



62.2595, 44.4637, 75.8248



61.2652, 39.9876, 74.3407



55.9974, 41.9588, 42.8492



17.8073, 17.4503, 20.8410



25.9535, 12.7971, 27.5272

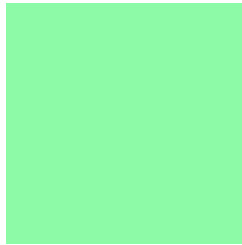


2.4446, 1.2016, 2.7644



# Previews

## White Background



This preview shows how the XYZ color 51.8838, 76.6998, 48.1464 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 51.8838, 76.6998, 48.1464 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

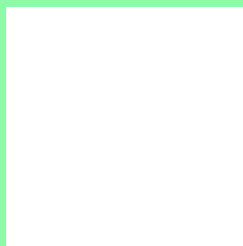
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.8838, 76.6998, 48.1464

## Background



This preview shows how black text looks on a background with the XYZ color 51.8838, 76.6998, 48.1464.



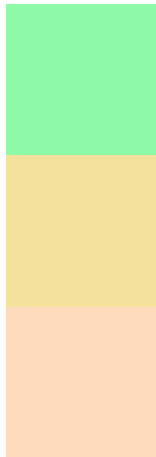
This preview shows how white text looks on a background with the XYZ color 51.8838, 76.6998,



# 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

51.8838, 76.6998, 48.1464

### Protanopia

70.2342, 75.4838, 42.3206

### Deuteranopia

75.7568, 75.5972, 58.7430



## Tritanopia

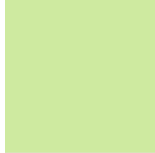
64.4826, 76.1132, 105.9005

# Trichromacy



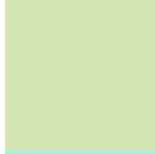
## Original Color

51.8838, 76.6998, 48.1464



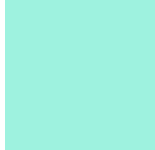
## Protanomaly

61.2216, 74.5055, 44.4120



## Deuteranomaly

64.0779, 74.0760, 54.6369



## Tritanomaly

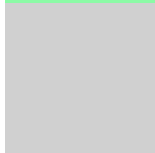
59.1720, 76.1011, 81.3823

# Monochromacy



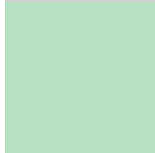
## Original Color

51.8838, 76.6998, 48.1464



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.5418, 66.6929, 60.3977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8838, 76.6998, 48.1464 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(140, 250, 166)` looks like.

```
.text, #text, p{  
    color:rgb(140, 250, 166)  
}
```

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(140, 250, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 250, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8838, 76.6998, 48.1464 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(140, 250, 166) }
```



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

```
.border{ border-color:rgb(140, 250, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 250, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 250, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 250, 166);  
box-shadow:4px 4px 4px 4px rgb(140, 250,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8838, 76.6998, 48.1464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 250, 166) }
```

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

```
.background{ background-color: rgb(140,  
250, 166) }
```

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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