

Converting Colors

XYZ(68.5932, 117.8058,
63.8004)

Have a look what the booklet for
XYZ(68.5932, 117.8058, 63.8004)
contains.

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Color

**XYZ(48.1450, 76.9173,
57.1088)**

Conversions

Conversions Part 1

Format	Color
Hex	56FFB7
RGB	86, 255, 183
RGB Percent	34%, 100%, 72%
CMY	0.6627, 0.0000, 0.2823
CMYK	0.66, 0.00, 0.28, 0.00
HSL	154°, 100%, 67%
HSV	154°, 66%, 100%
XYZ	48.1450, 76.9173, 57.1088
YIQ	196.2610, -77.6120, -58.2200

Conversions

Conversions Part 2

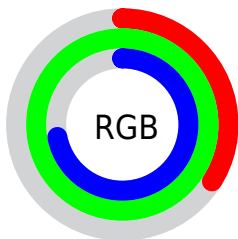
Format	Color
RYB	86, 193, 255
Decimal	5701559
CIELab	90.28, -59.55, 21.96
CIELCh	90, 63.465, 159.760
Yxy	76.9173, 0.2643, 0.4222
Android (android.graphics.Color)	4283891639 (0xFF56FFB7)
YUV	196.2610, -6.5377, -96.6989
Hunter-Lab	87.7025, -55.4904, 22.7842

Details

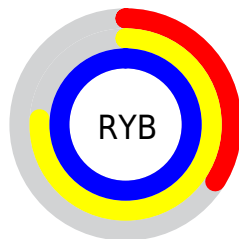
The XYZ color **48.1450, 76.9173, 57.1088** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **50.7399, 30.3850, 35.5394**, and the grayscale version is **52.6978, 55.4422, 60.3766**.

A 20% lighter version of the original color is **64.2889, 84.4274, 94.5691**, and **23.9955, 41.5442, 27.8732** is the 20% darker color. If you saturate the color by 10%, you get **45.1138, 75.4803, 51.2910**, and if you desaturate by 10%, it is **52.1018, 78.8214, 63.4282**.

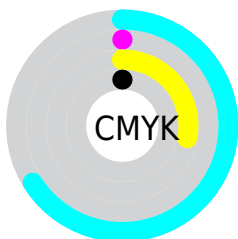
Distribution



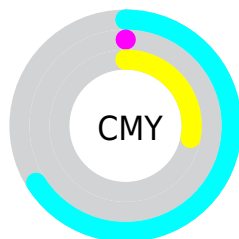
- Red (34%)
- Green (100%)
- Blue (72%)



- Red (34%)
- Yellow (76%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1450, 76.9173, 57.1088 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 48.1450, 76.9173, 57.1088 by changing the saturation by 10% instead.


 48.1450, 76.9173,
57.1088


 48.1450, 76.9173,
57.1088


369.9396,
484.4820, 431.3620


 34.1535, 57.1850,
40.6827


 86.6286, 129.0227,
102.1258

 23.1750, 41.1538,
27.7534


 111.8515,
162.1647, 131.5538

 14.8442, 28.4393,
17.9024


 141.5487,
200.5453, 166.1528

 8.7957, 18.6571,
10.7112


 176.0858,
244.5489, 206.3414

 4.6642, 11.4227,
5.7613

215.8281,
294.5600, 252.5380

 2.0843, 6.3519,
2.6340

261.1409,

 0.6807, 3.0602,

350.9630, 305.1613

0.9100

312.3897,
414.1422, 364.6298

0.0000, 1.1633,
0.0000

0.0000, 0.0314,
0.0000

48.1450, 76.9173,
57.1088

48.1450, 76.9173,
57.1088

45.1138, 75.4803,
51.2910

52.1018, 78.8214,
63.4282

42.9106, 74.4603,
45.9560

57.0642, 81.2335,
70.2590

41.4172, 73.7966,
41.0892

63.1053, 84.1912,
77.6154

40.9765, 73.6066,
39.3896

70.2906, 87.7281,
85.5098

■ 78.6803, 91.8750,
93.9541

■ 88.3303, 96.6604,
102.9597

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.3461, 76.9173, 33.0863



48.1450, 76.9173, 57.1088



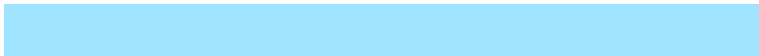
47.0659, 76.9173, 99.3836

Triad

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



48.1450, 76.9173, 57.1088



78.3800, 76.9173, 202.1079



99.0402, 76.9173, 39.5141

Complementary

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



48.1450, 76.9173, 57.1088



50.7399, 30.3850, 35.5394

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.



107.3257, 76.9173, 69.8482



48.1450, 76.9173, 57.1088



94.3126, 76.9173, 170.0321

Square

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



48.1450, 76.9173, 57.1088



63.0919, 76.9173, 194.7964



105.4809, 76.9173, 117.6049



84.1309, 76.9173, 25.7629

Rectangle

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



48.1450, 76.9173, 57.1088



49.7761, 76.9173, 134.7921



105.4809, 76.9173, 117.6049



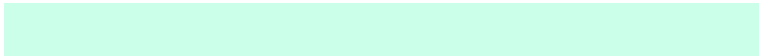
102.7833, 76.9173, 47.5576

Sweetspot

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



48.1457, 76.9177, 57.1101



75.4088, 90.2561, 90.7416



51.7848, 79.5870, 21.4376



15.6369, 19.0696, 18.9149



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.



48.1457, 76.9177, 57.1101



44.2014, 75.0543, 49.2467



54.1588, 73.7399, 105.9865



18.2086, 20.3430, 21.4014



21.4874, 38.4916, 20.9837



2.1469, 3.7697, 2.3312

Inverse Universe

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



50.7399, 30.3850, 35.5394



47.0048, 25.4600, 26.4478



47.2197, 30.5315, 12.2095



18.3305, 18.1155, 20.3578



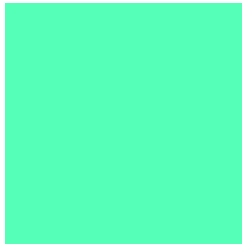
23.0520, 11.7101, 8.9244



2.2978, 1.1615, 1.1497

Previews

White Background



This preview shows how the XYZ color 48.1450, 76.9173, 57.1088 looks on a white background.

Color Contrast Check

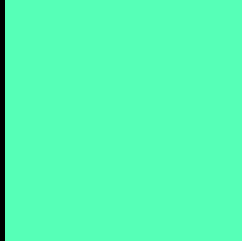
Large Text (above 18pt) WCAG AA × Fail

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 48.1450, 76.9173, 57.1088 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 48.1450, 76.9173, 57.1088

Background



This preview shows how black text looks on a background with the XYZ color 48.1450, 76.9173, 57.1088.



This preview shows how white text looks on a background with the XYZ color 48.1450, 76.9173,

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

48.1450, 76.9173, 57.1088

Protanopia

70.3623, 75.4158, 48.3843

Deuteranopia

76.2752, 75.3883, 62.7558



Tritanopia

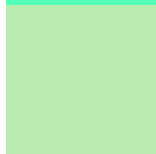
62.5365, 76.4102, 106.0604

Trichromacy



Original Color

48.1450, 76.9173, 57.1088



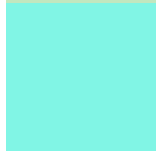
Protanomaly

57.6430, 73.3612, 51.1664



Deuteranomaly

60.2280, 72.3827, 60.0871



Tritanomaly

55.8485, 75.6291, 85.7831

Monochromacy



Original Color

48.1450, 76.9173, 57.1088



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.9271, 60.4552, 58.4332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1450, 76.9173, 57.1088 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(86, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(86, 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(86, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 48.1450, 76.9173, 57.1088 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(86, 255, 183) }
```


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

```
.border{ border-color:rgb(86, 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(86, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(86, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1450, 76.9173, 57.1088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 255, 183) }
```

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

```
.background{ background-color: rgb(86, 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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