

Converting Colors

XYZ(48.3183, 76.2056, 38.8805)

Have a look what the booklet for
XYZ(48.3183, 76.2056, 38.8805)
contains.

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Color

**XYZ(48.2334, 75.9502,
38.9058)**

Conversions

Conversions Part 1

Format	Color
Hex	7CFC91
RGB	124, 252, 145
RGB Percent	49%, 99%, 57%
CMY	0.5137, 0.0117, 0.4314
CMYK	0.51, 0.00, 0.42, 0.01
HSL	130°, 96%, 74%
HSV	130°, 51%, 99%
XYZ	48.2334, 75.9502, 38.9058
YIQ	201.5300, -41.9410, -60.4130

Conversions

Conversions Part 2

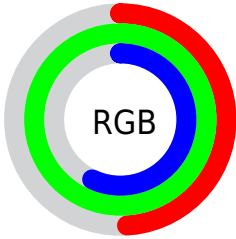
Format	Color
RYB	124, 234, 252
Decimal	8191121
CIELab	89.84, -57.37, 40.55
CIELCh	90, 70.260, 144.745
Yxy	75.9502, 0.2957, 0.4657
Android (android.graphics.Color)	4286381201 (0xFF7CFC91)
YUV	201.5300, -27.8693, -67.9938
Hunter-Lab	87.1494, -53.7195, 34.5360

Details

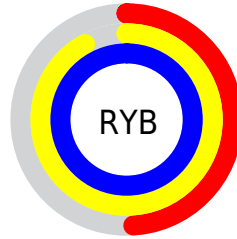
The XYZ color **48.2334, 75.9502, 38.9058** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **61.7786, 40.8816, 80.2383**, and the grayscale version is **56.0345, 58.9527, 64.1995**.

A 20% lighter version of the original color is **65.9525, 85.8805, 67.7441**, and **23.1310, 40.3345, 16.9221** is the 20% darker color. If you saturate the color by 10%, you get **43.5699, 73.7188, 30.9808**, and if you desaturate by 10%, it is **54.1324, 78.7880, 48.4640**.

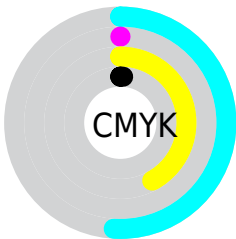
Distribution



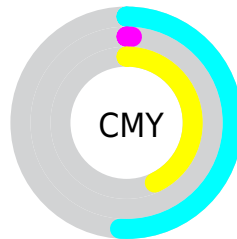
- Red (49%)
- Green (99%)
- Blue (57%)



- Red (49%)
- Yellow (92%)
- Blue (99%)



- Cyan (51%)
- Magenta (0%)
- Yellow (42%)
- Black (1%)





- Cyan (51%)
- Magenta (1%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2334, 75.9502, 38.9058 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 48.2334, 75.9502, 38.9058 by changing the saturation by 10% instead.


 48.2334, 75.9502,
38.9058


 48.2334, 75.9502,
38.9058


370.2837,
481.1772, 356.9038


 34.2238, 56.3917,
26.3792


 86.7594, 127.6565,
74.7131

 23.2293, 40.5170,
16.8792


 112.0065,
160.5731, 98.8310

 14.8845, 27.9419,
9.9874


 141.7301,
198.7111, 127.6496

 8.8242, 18.2819,
5.2851

176.2956,
242.4550, 161.5876

 4.6829, 11.1525,
2.3538

216.0684,
292.1892, 201.0634

 2.0952, 6.1695,
0.7611

261.4138,

 0.6866, 2.9484,

348.2980, 246.4957

0.0000

312.6971,
411.1659, 298.3030

0.0000, 1.1049,
0.0000

0.0000, 0.0000,
0.0000

48.2334, 75.9502,
38.9058

48.2334, 75.9502,
38.9058

43.5699, 73.7188,
30.9808

54.1324, 78.7880,
48.4640

40.0470, 72.0405,
24.5927


61.3412, 82.2623,
59.7345


37.5653, 70.8681,
19.6430


69.9351, 86.4124,
72.7971

36.0051, 70.1424,
16.0194

79.9819, 91.2717,
87.7254

 35.2182, 69.7863,
13.7436

 91.5449, 96.8714,
104.5887

 94.1019, 98.1037,
108.5840

Harmonies

Analogous

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



59.1075, 75.9502, 22.7441



48.2334, 75.9502, 38.9058



43.8079, 75.9502, 74.2536

Triad

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



48.2334, 75.9502, 38.9058



69.1767, 75.9502, 218.9524



106.9144, 75.9502, 48.8099

Complementary

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



48.2334, 75.9502, 38.9058



61.7786, 40.8816, 80.2383

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.



110.7568, 75.9502, 91.7571



48.2334, 75.9502, 38.9058



87.0695, 75.9502, 203.3211

Square

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



48.2334, 75.9502, 38.9058



54.5968, 75.9502, 187.7979



102.9944, 75.9502, 150.9961



93.2030, 75.9502, 26.6480

Rectangle

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



48.2334, 75.9502, 38.9058



44.4984, 75.9502, 109.4707



102.9944, 75.9502, 150.9961



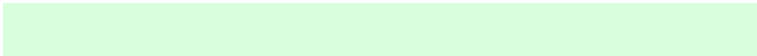
109.4869, 75.9502, 60.6885

Sweetspot

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



48.2353, 75.9534, 38.9075



77.6238, 91.5625, 83.4124



71.9904, 88.3697, 32.3320



16.1507, 19.3737, 17.1638



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.



48.2353, 75.9534, 38.9075



44.6547, 75.6780, 31.6462



54.4116, 78.4239, 71.4315



17.1335, 19.3557, 18.9037



18.3799, 36.3650, 7.3440



1.7345, 3.3809, 0.8495

Inverse Universe

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



61.7786, 40.8816, 80.2383



59.9544, 35.9531, 78.2593



54.4973, 37.9691, 41.8954



17.8635, 17.4728, 21.1371



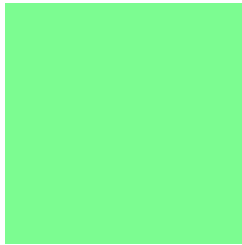
27.0611, 13.2402, 33.3597



2.5379, 1.2389, 3.2557

Previews

White Background



This preview shows how the XYZ color 48.2334, 75.9502, 38.9058 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 48.2334, 75.9502, 38.9058 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 48.2334, 75.9502, 38.9058

Background



This preview shows how black text looks on a background with the XYZ color 48.2334, 75.9502, 38.9058.



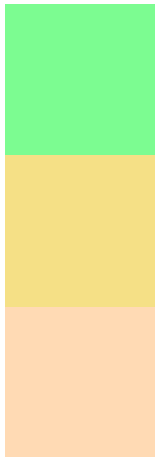
This preview shows how white text looks on a background with the XYZ color 48.2334, 75.9502,

38.9058.

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

48.2334, 75.9502, 38.9058

Protanopia

68.6149, 74.4450, 33.3072

Deuteranopia

74.5496, 74.6981, 53.6690



Tritanopia

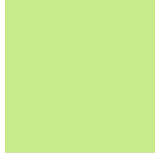
62.8314, 75.2620, 105.8232

Trichromacy



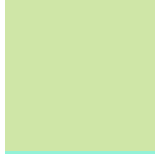
Original Color

48.2334, 75.9502, 38.9058



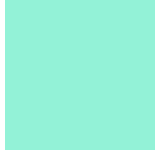
Protanomaly

58.0977, 73.0981, 35.0920



Deuteranomaly

61.0040, 72.6490, 47.3666



Tritanomaly

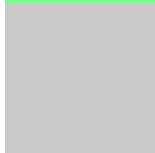
56.0505, 74.6136, 75.7377

Monochromacy



Original Color

48.2334, 75.9502, 38.9058



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.3892, 63.5213, 53.2684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2334, 75.9502, 38.9058 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(124, 252, 145)` looks like.

```
.text, #text, p{  
    color:rgb(124, 252, 145)  
}
```

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(124, 252, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 252, 145) }
```

Border

The CSS property to change the border of an element to XYZ 48.2334, 75.9502, 38.9058 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(124, 252, 145) }
```


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

```
.border{ border-color:rgb(124, 252, 145) }
```

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

Here you see how a box with a 4 pixel rgb(124, 252, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 252, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 252, 145);  
box-shadow:4px 4px 4px 4px rgb(124, 252,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2334, 75.9502, 38.9058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 252, 145) }
```

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

```
.background{ background-color: rgb(124,  
252, 145) }
```

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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