

Converting Colors

XYZ(45.9245, 75.7435, 58.3201)

Have a look what the booklet for
XYZ(45.9245, 75.7435, 58.3201)
contains.

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Color

**XYZ(45.8822, 75.7266,
58.0974)**

Conversions

Conversions Part 1

Format	Color
Hex	33FFB9
RGB	51, 255, 185
RGB Percent	20%, 100%, 73%
CMY	0.8000, 0.0000, 0.2745
CMYK	0.80, 0.00, 0.27, 0.00
HSL	159°, 100%, 60%
HSV	159°, 80%, 100%
XYZ	45.8822, 75.7266, 58.0974
YIQ	186.0240, -99.1140, -65.0180

Conversions

Conversions Part 2

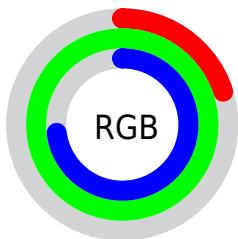
Format	Color
RYB	51, 174, 255
Decimal	3407801
CIELab	89.73, -63.51, 20.08
CIELCh	90, 66.613, 162.455
Yxy	75.7266, 0.2553, 0.4214
Android (android.graphics.Color)	4281597881 (0xFF33FFB9)
YUV	186.0240, -0.5048, -118.4160
Hunter-Lab	87.0210, -58.1719, 21.3312

Details

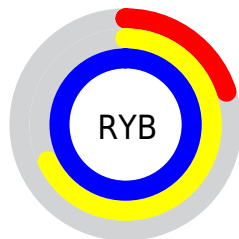
The XYZ color **45.8822, 75.7266, 58.0974** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.8758, 25.0091, 20.5006**, and the grayscale version is **46.7292, 49.1627, 53.5382**.

A 20% lighter version of the original color is **60.8431, 82.6167, 95.9589**, and **24.1311, 41.5984, 28.5873** is the 20% darker color. If you saturate the color by 10%, you get **44.0350, 74.8778, 53.3373**, and if you desaturate by 10%, it is **48.4909, 76.9614, 63.1926**.

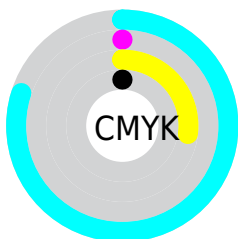
Distribution



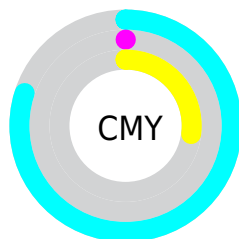
- Red (20%)
- Green (100%)
- Blue (73%)



- Red (20%)
- Yellow (68%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8822, 75.7266, 58.0974 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 45.8822, 75.7266, 58.0974 by changing the saturation by 10% instead.


 45.8822, 75.7266,
58.0974


 45.8822, 75.7266,
58.0974


361.0587,
480.4113, 435.1572

 32.3571, 56.2083,
41.4717


 83.2716, 127.3404,
103.5809


 21.7913, 40.3700,
28.3654


 107.8666,
160.2047, 133.2757

 13.8194, 27.8271,
18.3598


 136.8824,
198.2865, 168.1641

 8.0760, 18.1954,
11.0365

 170.6841,
241.9701, 208.6645

 4.1958, 11.0904,
5.9769

209.6373,
291.6400, 255.1955

 1.8135, 6.1276,
2.7625

254.1072,

 0.5258, 2.9229,

347.6806, 308.1755

0.9747

304.4592,
410.4762, 368.0233

■ 0.0000, 1.0916,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.8822, 75.7266,
58.0974

■ 45.8822, 75.7266,
58.0974

■ 44.0350, 74.8778,
53.3373

■ 48.4909, 76.9614,
63.1926

■ 42.7817, 74.3287,
48.8951

■ 51.9608, 78.6334,
68.6287

■ 42.7813, 74.3285,
48.8936

■ 56.3780, 80.7870,
74.4162

■ 61.8172, 83.4606,
80.5634

■ 68.3454, 86.6886,
87.0783

■ 76.0239, 90.5025,
93.9684

■ 84.9091, 94.9312,
101.2409

■ 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.



52.7046, 75.7266, 32.1285



45.8822, 75.7266, 58.0974



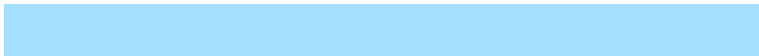
45.3471, 75.7266, 103.5251

Triad

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



45.8822, 75.7266, 58.0974



78.9998, 75.7266, 205.9515



97.8629, 75.7266, 35.2521

Complementary

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



45.8822, 75.7266, 58.0974



45.8758, 25.0091, 20.5006

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.



107.4016, 75.7266, 64.4545



45.8822, 75.7266, 58.0974



95.4510, 75.7266, 168.7366

Square

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



45.8822, 75.7266, 58.0974



62.8750, 75.7266, 202.1512



106.4572, 75.7266, 112.8120



81.9151, 75.7266, 22.8101

Rectangle

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



45.8822, 75.7266, 58.0974



48.4941, 75.7266, 141.0930



106.4572, 75.7266, 112.8120



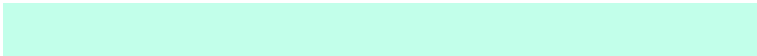
102.0267, 75.7266, 42.8374

Sweetspot

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



45.8829, 75.7269, 58.0987



72.8081, 88.9034, 91.1644



44.4414, 75.9264, 15.4459



15.0055, 18.7418, 18.9898



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.



45.8829, 75.7269, 58.0987



43.2383, 74.5261, 50.6337



46.1793, 61.4513, 104.0351



18.2745, 20.3693, 21.7484



22.4271, 38.8674, 25.9319



2.2350, 3.8049, 2.7954

Inverse Universe

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



45.8758, 25.0091, 20.5006



43.3801, 22.2932, 12.6536



44.8255, 27.4747, 6.0736



18.2666, 18.0900, 20.0211



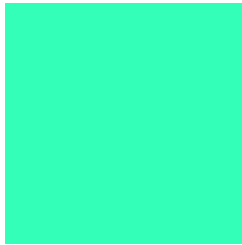
22.5212, 11.4978, 6.1289



2.2417, 1.1391, 0.8545

Previews

White Background



This preview shows how the XYZ color 45.8822, 75.7266, 58.0974 looks on a white background.

Color Contrast Check

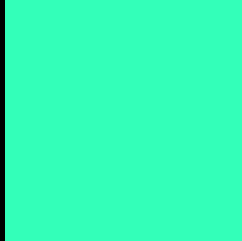
Large Text (above 18pt) WCAG AA × Fail

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 45.8822, 75.7266, 58.0974 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

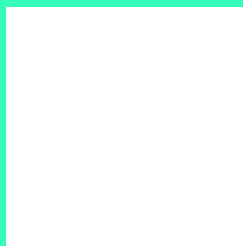
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8822, 75.7266, 58.0974

Background



This preview shows how black text looks on a background with the XYZ color 45.8822, 75.7266, 58.0974.



This preview shows how white text looks on a background with the XYZ color 45.8822, 75.7266,

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

45.8822, 75.7266, 58.0974

Protanopia

69.2400, 74.0284, 48.6698

Deuteranopia

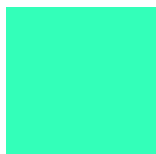
75.3908, 73.8010, 61.9013



Tritanopia

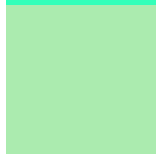
60.3654, 75.2910, 105.9588

Trichromacy



Original Color

45.8822, 75.7266, 58.0974



Protanomaly

54.2408, 71.1697, 51.4358



Deuteranomaly

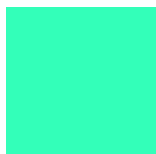
56.7568, 70.1790, 59.8447



Tritanomaly

53.2420, 74.2692, 86.3922

Monochromacy



Original Color

45.8822, 75.7266, 58.0974



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.4737, 55.4521, 54.9191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8822, 75.7266, 58.0974 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(51, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 185)  
}
```

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(51, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 185) }
```

Border

The CSS property to change the border of an element to XYZ 45.8822, 75.7266, 58.0974 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(51, 255, 185) }
```


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

```
.border{ border-color:rgb(51, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8822, 75.7266, 58.0974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 185) }
```

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

```
.background{ background-color: rgb(51, 255,  
185) }
```

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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