

Converting Colors

XYZ(45.9498, 75.6984, 58.7636)

Have a look what the booklet for
XYZ(45.9498, 75.6984, 58.7636)
contains.

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Color

**XYZ(45.9383, 75.7433,
58.6531)**

Conversions

Conversions Part 1

Format	Color
Hex	32FFBA
RGB	50, 255, 186
RGB Percent	20%, 100%, 73%
CMY	0.8039, 0.0000, 0.2706
CMYK	0.80, 0.00, 0.27, 0.00
HSL	160°, 100%, 60%
HSV	160°, 80%, 100%
XYZ	45.9383, 75.7433, 58.6531
YIQ	185.8390, -100.0310, -64.9190

Conversions

Conversions Part 2

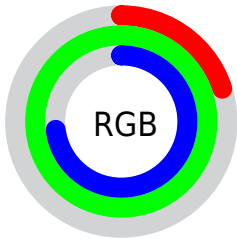
Format	Color
RYB	50, 173, 255
Decimal	3342266
CIELab	89.74, -63.39, 19.58
CIELCh	90, 66.343, 162.836
Yxy	75.7433, 0.2547, 0.4200
Android (android.graphics.Color)	4281532346 (0xFF32FFBA)
YUV	185.8390, 0.0794, -119.1308
Hunter-Lab	87.0306, -58.0840, 20.9638

Details

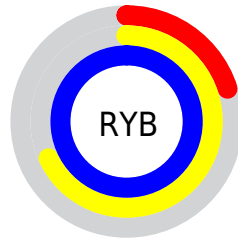
The XYZ color **45.9383, 75.7433, 58.6531** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.7111, 24.8740, 19.8466**, and the grayscale version is **46.6227, 49.0507, 53.4162**.

A 20% lighter version of the original color is **60.9929, 82.6766, 96.7479**, and **24.1999, 41.6260, 28.9495** is the 20% darker color. If you saturate the color by 10%, you get **44.1266, 74.9116, 53.9481**, and if you desaturate by 10%, it is **48.5051, 76.9578, 63.6821**.

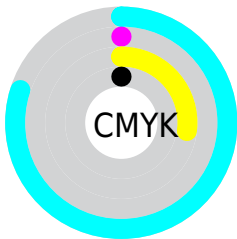
Distribution



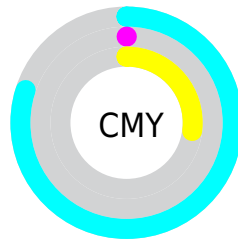
- Red (20%)
- Green (100%)
- Blue (73%)



- 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 45.9383, 75.7433, 58.6531 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 45.9383, 75.7433, 58.6531 by changing the saturation by 10% instead.


 45.9383, 75.7433,
58.6531


 45.9383, 75.7433,
58.6531


361.2806,
480.4685, 437.2812


 32.4016, 56.2220,
41.9158


 83.3551, 127.3640,
104.3975


 21.8254, 40.3810,
28.7103


 107.9658,
160.2322, 134.2416

 13.8446, 27.8357,
18.6181


 136.9986,
198.3182, 169.2917

 8.0936, 18.2019,
11.2206

 170.8188,
242.0063, 209.9663

 4.2072, 11.0950,
6.0994

209.7917,
291.6810, 256.6841

 1.8200, 6.1308,
2.8358

254.2828,

 0.5297, 2.9248,

347.7267, 309.8634

1.0114

304.6573,
410.5277, 369.9230

■ 0.0000, 1.0926,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9383, 75.7433,
58.6531

■ 45.9383, 75.7433,
58.6531

■ 44.1266, 74.9116,
53.9481

■ 48.5051, 76.9578,
63.6821

■ 42.9374, 74.3910,
49.7157

■ 51.9273, 78.6070,
69.0410

■ 56.2917, 80.7353,
74.7396

■ 61.6731, 83.3813,
80.7862

■ 68.1388, 86.5795,
87.1884

■ 75.7502, 90.3614,
93.9536

■ 84.5638, 94.7562,
101.0886

94.6325, 99.7910,
108.6002

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.



52.6629, 75.7433, 32.5002



45.9383, 75.7433, 58.6531



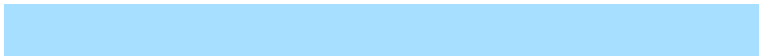
45.4844, 75.7433, 104.1345

Triad

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



45.9383, 75.7433, 58.6531



79.2042, 75.7433, 205.0858



97.5930, 75.7433, 35.1534

Complementary

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



45.9383, 75.7433, 58.6531



45.7111, 24.8740, 19.8466

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.



107.1994, 75.7433, 64.0428



45.9383, 75.7433, 58.6531



95.5512, 75.7433, 167.6788

Square

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



45.9383, 75.7433, 58.6531



63.1072, 75.7433, 201.8728



106.4002, 75.7433, 111.9966



81.6733, 75.7433, 22.8907

Rectangle

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



45.9383, 75.7433, 58.6531



48.6762, 75.7433, 141.5583



106.4002, 75.7433, 111.9966



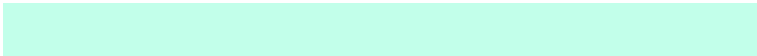
101.7685, 75.7433, 42.6512

Sweetspot

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



45.9390, 75.7436, 58.6544



72.8658, 88.9265, 91.4682



44.3274, 75.8701, 15.3267



15.0195, 18.7474, 19.0631



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

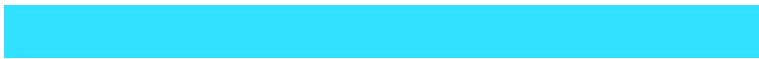
The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.9390, 75.7436, 58.6544



43.3922, 74.5876, 51.4440



46.0890, 61.3448, 104.0193



18.2797, 20.3714, 21.7760



22.5082, 38.8999, 26.3590



2.2425, 3.8079, 2.8348

Inverse Universe

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



45.7111, 24.8740, 19.8466



43.3087, 22.2646, 12.2774



44.7403, 27.3392, 5.9375



18.2616, 18.0879, 19.9947



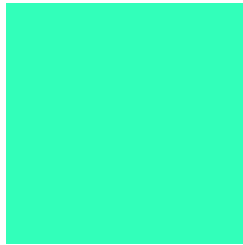
22.4848, 11.4832, 5.9376



2.2378, 1.1375, 0.8335

Previews

White Background



This preview shows how the XYZ color 45.9383, 75.7433, 58.6531 looks on a white background.

Color Contrast Check

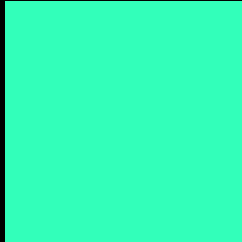
Large Text (above 18pt) WCAG AA × Fail

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 45.9383, 75.7433, 58.6531 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 45.9383, 75.7433, 58.6531

Background



This preview shows how black text looks on a background with the XYZ color 45.9383, 75.7433, 58.6531.



This preview shows how white text looks on a background with the XYZ color 45.9383, 75.7433, 58.6531.

58.6531.

Color Blindness Simulation

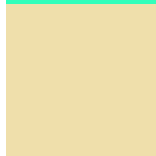
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.9383, 75.7433, 58.6531



Protanopia

69.3350, 74.0663, 49.1700



Deuteranopia

75.3908, 73.8010, 61.9013



Tritanopia

60.3654, 75.2910, 105.9588

Trichromacy



Original Color

45.9383, 75.7433, 58.6531



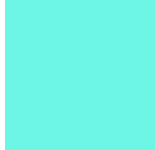
Protanomaly

54.1224, 71.0973, 51.9449



Deuteranomaly

56.6336, 70.1027, 60.4154



Tritanomaly

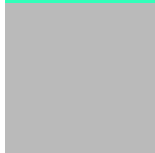
53.2420, 74.2692, 86.3922

Monochromacy



Original Color

45.9383, 75.7433, 58.6531



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 45.9383, 75.7433, 58.6531 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(50, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(50, 255, 186)  
}
```

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(50, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 45.9383, 75.7433, 58.6531 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(50, 255, 186) }
```


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

```
.border{ border-color:rgb(50, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(50, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9383, 75.7433, 58.6531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 255, 186) }
```

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

```
.background{ background-color: rgb(50, 255,  
186) }
```

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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