

# Converting Colors

XYZ(45.4215, 75.5075, 57.0131)

Have a look what the booklet for  
XYZ(45.4215, 75.5075, 57.0131)  
contains.

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# Color

**XYZ(45.4340, 75.5197,  
56.9819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EFFB7
RGB	46, 255, 183
RGB Percent	18%, 100%, 72%
CMY	0.8196, 0.0000, 0.2823
CMYK	0.82, 0.00, 0.28, 0.00
HSL	159°, 100%, 59%
HSV	159°, 82%, 100%
XYZ	45.4340, 75.5197, 56.9819
YIQ	184.3010, -101.4520, -66.7000

# Conversions

## Conversions Part 2

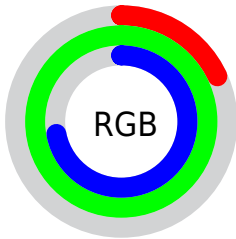
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 172, 255
Decimal	3080119
CIELab	89.64, -64.38, 20.96
CIELCh	90, 67.706, 161.967
Yxy	75.5197, 0.2553, 0.4244
Android (android.graphics.Color)	4281270199 (0xFF2EFFB7)
YUV	184.3010, -0.6414, -121.2900
Hunter-Lab	86.9021, -58.7555, 21.9549

# Details

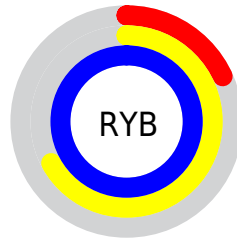
The XYZ color **45.4340, 75.5197, 56.9819** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.4880, 24.5231, 19.4784**, and the grayscale version is **45.7716, 48.1553, 52.4411**.

A 20% lighter version of the original color is **60.2421, 82.3412, 94.3797**, and **23.9955, 41.5442, 27.8732** is the 20% darker color. If you saturate the color by 10%, you get **43.7202, 74.7386, 52.2774**, and if you desaturate by 10%, it is **47.8871, 76.6754, 62.0216**.

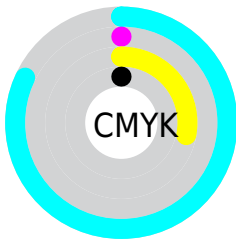
# Distribution



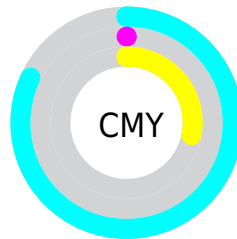
- Red (18%)
- Green (100%)
- Blue (72%)



- Red (18%)
- Yellow (67%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (82%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4340, 75.5197, 56.9819 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 45.4340, 75.5197, 56.9819 by changing the saturation by 10% instead.





 45.4340, 75.5197,  
56.9819


 45.4340, 75.5197,  
56.9819


359.2826,  
479.7019, 430.8733


 32.0021, 56.0388,  
40.5814


 82.6044, 127.0477,  
101.9388


 21.5187, 40.2340,  
27.6749


 107.0736,  
159.8636, 131.3324

 13.6183, 27.7210,  
17.8439


 135.9526,  
197.8933, 165.8941

 7.9356, 18.1155,  
10.6697

 169.6068,  
241.5211, 206.0425

 4.1052, 11.0329,  
5.7338

208.4016,  
291.1315, 252.1960

 1.7618, 6.0890,  
2.6177

252.7022,

 0.4945, 2.8993,

347.1088, 304.7733

0.9016

302.8741,  
409.8375, 364.1929

■ 0.0000, 1.0794,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.4340, 75.5197,  
56.9819

■ 45.4340, 75.5197,  
56.9819

■ 43.7202, 74.7386,  
52.2774


■ 47.8871, 76.6754,  
62.0216

■ 42.7490, 74.3156,  
48.7237


■ 51.1833, 78.2590,  
67.4027

■ 55.4116, 80.3162,  
73.1357


■ 60.6483, 82.8864,  
79.2293

 66.9620, 86.0047,  
85.6914

 74.4147, 89.7031,  
92.5298

 83.0640, 94.0110,  
99.7518

 92.9630, 98.9560,  
107.3645

 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.



52.4256, 75.5197, 31.1540



45.4340, 75.5197, 56.9819



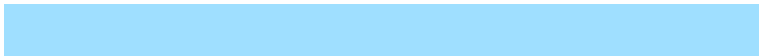
44.7906, 75.5197, 102.7466

# Triad

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



45.4340, 75.5197, 56.9819



78.6255, 75.5197, 208.5178



98.3163, 75.5197, 34.8863

# Complementary

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



45.4340, 75.5197, 56.9819



45.4880, 24.5231, 19.4784

# 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.



107.8810, 75.5197, 64.6411



45.4340, 75.5197, 56.9819



95.3910, 75.5197, 170.9946

# Square

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



45.4340, 75.5197, 56.9819



62.3163, 75.5197, 203.8824



106.7345, 75.5197, 114.0079



82.1546, 75.5197, 22.2207



# Rectangle

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



45.4340, 75.5197, 56.9819



47.8975, 75.5197, 140.9616



106.7345, 75.5197, 114.0079



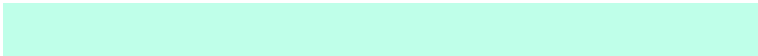
102.5144, 75.5197, 42.6057

# Sweetspot

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



45.4347, 75.5201, 56.9832



72.0222, 88.5142, 90.4081



43.8828, 75.6504, 14.8751



14.8536, 18.6667, 18.8362



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.



45.4347, 75.5201, 56.9832



42.9766, 74.4140, 49.5891



45.7394, 60.9254, 103.9568



18.2734, 20.3689, 21.7427



22.4103, 38.8607, 25.8437



2.2335, 3.8043, 2.7872



# Inverse Universe

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



45.4880, 24.5231, 19.4784



43.1920, 22.1294, 11.9359



44.4125, 26.8156, 5.4211



18.2677, 18.0904, 20.0266



22.5288, 11.5008, 6.1692

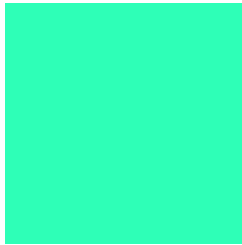


2.2426, 1.1394, 0.8589



# Previews

## White Background



This preview shows how the XYZ color 45.4340, 75.5197, 56.9819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

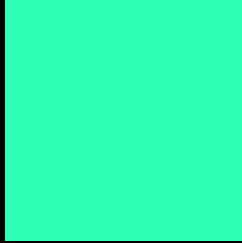
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4340, 75.5197, 56.9819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

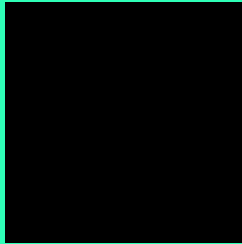
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.4340, 75.5197, 56.9819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4340, 75.5197, 56.9819.



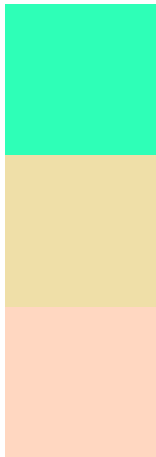
This preview shows how white text looks on a background with the XYZ color 45.4340, 75.5197,



# 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

45.4340, 75.5197, 56.9819

### Protanopia

69.0522, 73.9532, 47.6807

### Deuteranopia

75.1661, 73.7111, 60.7181



## Tritanopia

60.0253, 75.1156, 105.9428

# Trichromacy



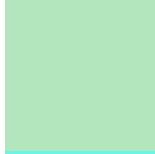
## Original Color

45.4340, 75.5197, 56.9819



## Protanomaly

53.6133, 70.8688, 50.3885



## Deuteranomaly

56.0725, 69.8515, 58.6715



## Tritanomaly

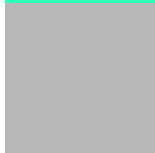
52.7391, 74.0261, 85.6376

# Monochromacy



## Original Color

45.4340, 75.5197, 56.9819



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

41.5298, 54.6222, 53.7017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4340, 75.5197, 56.9819 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(46, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4340, 75.5197, 56.9819 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(46, 255, 183) }
```



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

```
.border{ border-color:rgb(46, 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(46, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4340, 75.5197, 56.9819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 183) }
```

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

```
.background{ background-color: rgb(46, 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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