

# Converting Colors

XYZ(45.0435, 74.7625, 55.1483)

Have a look what the booklet for  
XYZ(45.0435, 74.7625, 55.1483)  
contains.

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# Color

**XYZ(45.1482, 74.9358,  
55.2645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	35FEB4
RGB	53, 254, 180
RGB Percent	21%, 100%, 71%
CMY	0.7921, 0.0039, 0.2941
CMYK	0.79, 0.00, 0.29, 0.00
HSL	158°, 99%, 60%
HSV	158°, 79%, 100%
XYZ	45.1482, 74.9358, 55.2645
YIQ	185.4650, -96.0420, -65.6260

# Conversions

## Conversions Part 2

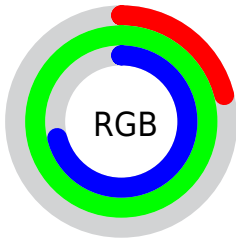
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">53, 176, 254</a>
Decimal	<a href="#">3538612</a>
CIELab	<a href="#">89.36, -64.03, 22.12</a>
CIELCh	<a href="#">89, 67.740, 160.937</a>
Yxy	<a href="#">74.9358, 0.2575, 0.4274</a>
Android (android.graphics.Color)	<a href="#">4281728692 (0xFF35FEB4)</a>
YUV	<a href="#">185.4650, -2.6942, -116.1718</a>
Hunter-Lab	<a href="#">86.5655, -58.3929, 22.7443</a>

# Details

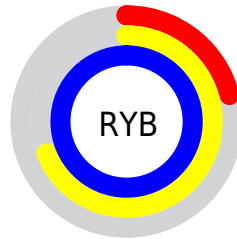
The XYZ color **45.1482, 74.9358, 55.2645** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **45.9794, 25.1510, 22.5131**, and the grayscale version is **46.4283, 48.8462, 53.1935**.

A 20% lighter version of the original color is **60.2604, 82.4014, 92.0859**, and **23.5707, 41.0122, 26.7525** is the 20% darker color. If you saturate the color by 10%, you get **43.2288, 74.0546, 50.3693**, and if you desaturate by 10%, it is **47.8424, 76.2128, 60.5349**.

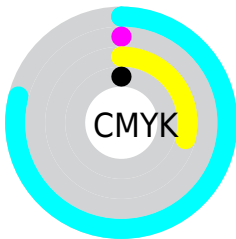
# Distribution



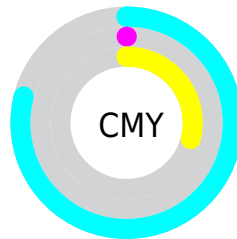
- Red (21%)
- Green (100%)
- Blue (71%)



- Red (21%)
- Yellow (69%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1482, 74.9358, 55.2645 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 45.1482, 74.9358, 55.2645 by changing the saturation by 10% instead.





 45.1482, 74.9358,  
55.2645


 45.1482, 74.9358,  
55.2645


358.1470,  
477.6969, 424.2239


 31.7759, 55.5603,  
39.2135


 82.1785, 126.2215,  
99.4034


 21.3451, 39.8505,  
26.6167


 106.5672,  
158.9004, 128.3284

 13.4904, 27.4220,  
17.0557


 135.3587,  
196.7827, 162.3818

 7.8464, 17.8904,  
10.1118

 168.9185,  
240.2526, 201.9822

 4.0478, 10.8713,  
5.3666

207.6119,  
289.6946, 247.5480

 1.7292, 5.9804,  
2.4015

251.8042,

 0.4745, 2.8332,

345.4930, 299.4979

0.7872

301.8608,  
408.0323, 358.2504

■ 0.0000, 1.0453,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.1482, 74.9358,  
55.2645

■ 45.1482, 74.9358,  
55.2645

■ 43.2288, 74.0546,  
50.3693

■ 47.8424, 76.2128,  
60.5349

■ 41.9302, 73.4843,  
45.8305

■ 51.4045, 77.9278,  
66.1862

■ 41.8310, 73.4414,  
45.4521

■ 55.9204, 80.1267,  
72.2304

■ 61.4635, 82.8473,  
78.6769

■ 68.0999, 86.1236,  
85.5347

■ 75.8900, 89.9865,  
92.8123

■ 84.8894, 94.4647,  
100.5181

94.7036, 99.3545,  
108.6389

94.7332, 99.3663,  
108.7944

# Harmonies

## Analogous

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



52.3158, 74.9358, 30.2396



45.1482, 74.9358, 55.2645



44.2912, 74.9358, 100.1646

# Triad

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



45.1482, 74.9358, 55.2645



77.4439, 74.9358, 208.0257



98.1152, 74.9358, 35.2081

# Complementary

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



45.1482, 74.9358, 55.2645



45.9794, 25.1510, 22.5131

# 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.



107.3226, 74.9358, 65.4706



45.1482, 74.9358, 55.2645



94.2145, 74.9358, 171.7922

# Square

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



45.1482, 74.9358, 55.2645



61.3139, 74.9358, 201.8406



105.7937, 74.9358, 115.1815



82.1487, 74.9358, 22.1554



# Rectangle

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



45.1482, 74.9358, 55.2645



47.2358, 74.9358, 138.0877



105.7937, 74.9358, 115.1815



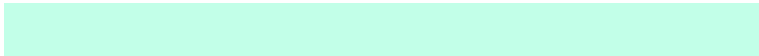
102.2075, 74.9358, 43.0884

# Sweetspot

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



45.1502, 74.9388, 55.2662



72.5889, 88.8157, 90.0100



45.3005, 75.8937, 15.6304



14.9526, 18.7206, 18.7112



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.



45.1502, 74.9388, 55.2662



42.7878, 74.3499, 48.0808



47.8101, 64.8159, 103.7603



18.2545, 20.3613, 21.6432



22.1266, 38.7472, 24.3495



2.2071, 3.7938, 2.6484



# Inverse Universe

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



45.9794, 25.1510, 22.5131



43.7761, 22.4996, 14.5904



44.1334, 26.5608, 6.1697



18.2858, 18.0976, 20.1224



22.6674, 11.5562, 6.8989

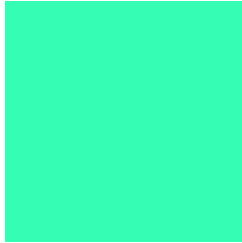


2.2575, 1.1454, 0.9377



# Previews

## White Background



This preview shows how the XYZ color 45.1482, 74.9358, 55.2645 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 45.1482, 74.9358, 55.2645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

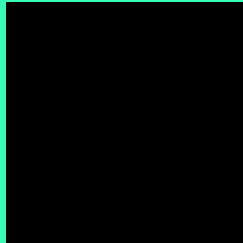
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

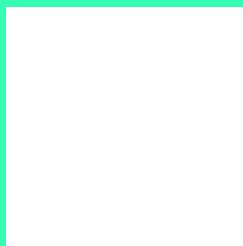
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.1482, 74.9358, 55.2645**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.1482, 74.9358, 55.2645.



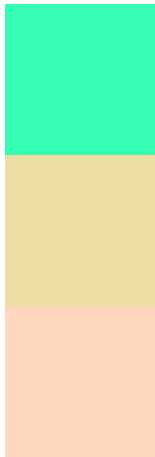
This preview shows how white text looks on a background with the XYZ color 45.1482, 74.9358,



# 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

45.1482, 74.9358, 55.2645

### Protanopia

68.1727, 73.1363, 46.1209

### Deuteranopia

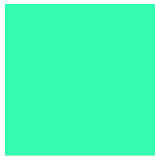
74.5808, 73.0708, 58.8884



## Tritanopia

59.2330, 74.2714, 105.8216

# Trichromacy



## Original Color

45.1482, 74.9358, 55.2645



## Protanomaly

53.4731, 70.4058, 48.8016



## Deuteranomaly

56.1736, 69.5289, 56.9141



## Tritanomaly

52.2981, 73.3670, 84.8036

# Monochromacy



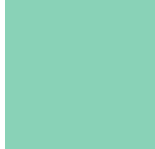
## Original Color

45.1482, 74.9358, 55.2645



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

41.9104, 54.8304, 53.1742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.1482, 74.9358, 55.2645 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(53, 254, 180)` looks like.

```
.text, #text, p{  
    color:rgb(53, 254, 180)  
}
```

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(53, 254, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 254, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 45.1482, 74.9358, 55.2645 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(53, 254, 180) }
```



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

```
.border{ border-color:rgb(53, 254, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 254, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 254, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 254, 180);  
box-shadow:4px 4px 4px 4px rgb(53, 254,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.1482, 74.9358, 55.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 254, 180) }
```

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

```
.background{ background-color: rgb(53, 254,  
180) }
```

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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