

# Converting Colors

XYZ(45.4581, 71.9857, 54.7654)

Have a look what the booklet for  
XYZ(45.4581, 71.9857, 54.7654)  
contains.

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# Color

**XYZ(45.3367, 71.7952,  
54.6484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56F7B4
RGB	86, 247, 180
RGB Percent	34%, 97%, 71%
CMY	0.6627, 0.0314, 0.2941
CMYK	0.65, 0.00, 0.27, 0.03
HSL	155°, 91%, 65%
HSV	155°, 65%, 97%
XYZ	45.3367, 71.7952, 54.6484
YIQ	191.2230, -74.4490, -54.9690

# Conversions

## Conversions Part 2

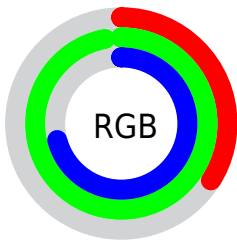
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 188, 247
Decimal	5699508
CIELab	87.87, -57.05, 20.15
CIELCh	88, 60.500, 160.550
Yxy	71.7952, 0.2639, 0.4179
Android (android.graphics.Color)	4283889588 (0xFF56F7B4)
YUV	191.2230, -5.5329, -92.2806
Hunter-Lab	84.7320, -52.7729, 21.0730

# Details

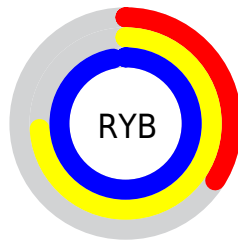
The XYZ color **45.3367, 71.7952, 54.6484** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **47.4376, 28.7313, 33.1851**, and the grayscale version is **49.7144, 52.3035, 56.9585**.

A 20% lighter version of the original color is **63.6628, 84.1554, 92.2451**, and **22.2442, 38.3592, 26.3104** is the 20% darker color. If you saturate the color by 10%, you get **42.4348, 70.4176, 49.2484**, and if you desaturate by 10%, it is **49.1055, 73.6145, 60.4976**.

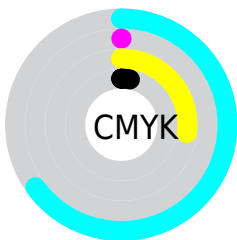
# Distribution



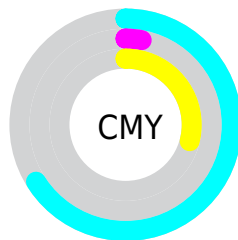
- Red (34%)
- Green (97%)
- Blue (71%)



- Red (34%)
- Yellow (74%)
- Blue (97%)



- Cyan (65%)
- Magenta (0%)
- Yellow (27%)
- Black (3%)




- Cyan (66%)
- Magenta (3%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3367, 71.7952, 54.6484 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 45.3367, 71.7952, 54.6484 by changing the saturation by 10% instead.





 45.3367, 71.7952,  
54.6484


 45.3367, 71.7952,  
54.6484

358.8963,  
466.8285, 421.8221


 31.9251, 52.9914,  
38.7236


 82.4594, 121.7653,  
98.4916


 21.4596, 37.7959,  
26.2386


 106.9012,  
153.7004, 127.2471

 13.5747, 25.8243,  
16.7749


 135.7505,  
190.7814, 161.1165

 7.9052, 16.6923,  
9.9138

 169.3726,  
233.3927, 200.5184

 4.0856, 10.0153,  
5.2370

208.1329,  
281.9186, 245.8714

 1.7507, 5.4091,  
2.3258

252.3967,

 0.4877, 2.4892,

336.7436, 297.5940

0.7456

302.5294,  
398.2521, 356.1047

■ 0.0000, 0.8712,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.3367, 71.7952,  
54.6484

■ 45.3367, 71.7952,  
54.6484

■ 42.4348, 70.4176,  
49.2484

■ 49.1055, 73.6145,  
60.4976

■ 40.3074, 69.4287,  
44.2797


■ 53.8100, 75.9050,  
66.8030


■ 38.8502, 68.7767,  
39.7302


■ 59.5182, 78.7037,  
73.5775


■ 38.3122, 68.5441,  
37.6812

■ 66.2899, 82.0411,  
80.8319

 74.1802, 85.9454,  
88.5765

 83.2403, 90.4430,  
96.8213

 92.0660, 94.8096,  
105.5080

 92.5520, 95.0041,  
108.0673

# Harmonies

## Analogous

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



51.7882, 71.7952, 32.1041



45.3367, 71.7952, 54.6484



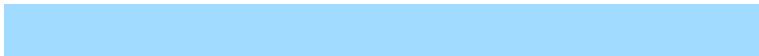
44.4961, 71.7952, 93.5952

# Triad

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



45.3367, 71.7952, 54.6484



73.4308, 71.7952, 184.7914



91.4911, 71.7952, 37.1502

# Complementary

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



45.3367, 71.7952, 54.6484



47.4376, 28.7313, 33.1851

# 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.



99.2081, 71.7952, 64.5450



45.3367, 71.7952, 54.6484



87.8501, 71.7952, 155.1468

# Square

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



45.3367, 71.7952, 54.6484



59.4361, 71.7952, 179.2028



97.7892, 71.7952, 107.6322



77.8712, 71.7952, 24.7377



# Rectangle

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



45.3367, 71.7952, 54.6484



47.0806, 71.7952, 125.7545



97.7892, 71.7952, 107.6322



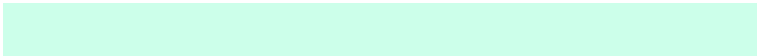
94.9426, 71.7952, 44.4214

# Sweetspot

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



45.3386, 71.7981, 54.6501



75.4809, 90.2850, 91.1216



48.0953, 73.9768, 20.5491



15.6543, 19.0765, 19.0061



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.



45.3386, 71.7981, 54.6501



44.8646, 75.3509, 51.3230



49.9328, 67.3053, 98.3585



16.6880, 18.6343, 19.6414



20.3337, 36.2783, 20.3090



1.8383, 3.2090, 2.0543



# Inverse Universe

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



47.4376, 28.7313, 33.1851



47.3100, 25.9585, 26.8950



44.5409, 29.4505, 12.1419



16.7852, 16.5969, 18.6152



21.6423, 11.0004, 8.0908

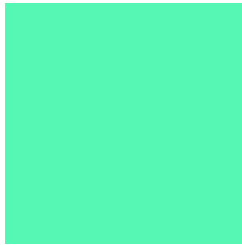


1.9521, 0.9868, 0.9741



# Previews

## White Background



This preview shows how the XYZ color 45.3367, 71.7952, 54.6484 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 45.3367, 71.7952, 54.6484 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 45.3367, 71.7952, 54.6484**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.3367, 71.7952, 54.6484.



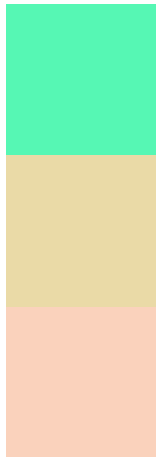
This preview shows how white text looks on a background with the XYZ color 45.3367, 71.7952,



# 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

45.3367, 71.7952, 54.6484

### Protanopia

65.9781, 70.4253, 46.6752

### Deuteranopia

71.5480, 70.0480, 57.3266



## Tritanopia

55.7912, 71.2040, 105.4110

# Trichromacy



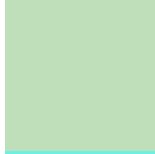
## Original Color

45.3367, 71.7952, 54.6484



## Protanomaly

54.2881, 68.7205, 49.4328



## Deuteranomaly

56.3798, 67.2253, 55.9032



## Tritanomaly

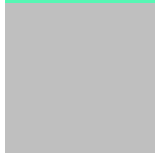
51.3480, 71.1098, 84.4180

# Monochromacy



## Original Color

45.3367, 71.7952, 54.6484



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

45.4008, 56.9487, 55.6130

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.3367, 71.7952, 54.6484 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(86, 247, 180)` looks like.

```
.text, #text, p{  
    color:rgb(86, 247, 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(86, 247, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 247, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 45.3367, 71.7952, 54.6484 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(86, 247, 180) }
```



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

```
.border{ border-color:rgb(86, 247, 180) }
```

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

Here you see how a box with a 4 pixel rgb(86, 247, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 247, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 247, 180);  
box-shadow:4px 4px 4px 4px rgb(86, 247,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.3367, 71.7952, 54.6484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 247, 180) }
```

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

```
.background{ background-color: rgb(86, 247,  
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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