

# Converting Colors

XYZ(40.4294, 66.2906, 47.4626)

Have a look what the booklet for  
XYZ(40.4294, 66.2906, 47.4626)  
contains.

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# Color

**XYZ(40.3819, 66.2684,  
47.2220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42F0A7
RGB	66, 240, 167
RGB Percent	26%, 94%, 65%
CMY	0.7412, 0.0588, 0.3451
CMYK	0.72, 0.00, 0.30, 0.06
HSL	155°, 85%, 60%
HSV	155°, 72%, 94%
XYZ	40.3819, 66.2684, 47.2220
YIQ	179.6520, -80.2710, -59.5910

# Conversions

## Conversions Part 2

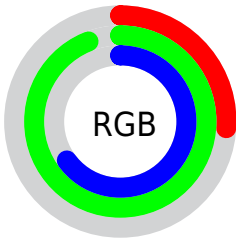
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 176, 240
Decimal	4386983
CIELab	85.13, -60.04, 22.98
CIELCh	85, 64.283, 159.055
Yxy	66.2684, 0.2624, 0.4307
Android (android.graphics.Color)	4282577063 (0xFF42F0A7)
YUV	179.6520, -6.2374, -99.6728
Hunter-Lab	81.4054, -53.9129, 22.5906

# Details

The XYZ color **40.3819, 66.2684, 47.2220** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **42.5458, 24.2873, 26.8743**, and the grayscale version is **43.2608, 45.5137, 49.5645**.

A 20% lighter version of the original color is **59.0982, 82.0282, 81.8255**, and **20.0280, 35.1048, 21.9400** is the 20% darker color. If you saturate the color by 10%, you get **38.1964, 65.2469, 42.4490**, and if you desaturate by 10%, it is **43.3212, 67.6736, 52.4116**.

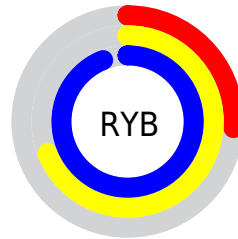
# Distribution



Red (26%)

Green (94%)

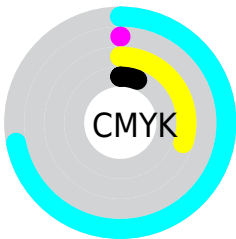
Blue (65%)



Red (26%)

Yellow (69%)

Blue (94%)

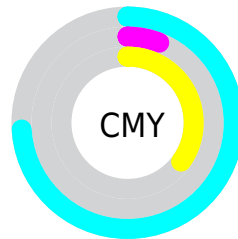


Cyan (72%)

Magenta (0%)

Yellow (30%)

Black (6%)



Cyan (74%)

Magenta (6%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3819, 66.2684, 47.2220 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 40.3819, 66.2684, 47.2220 by changing the saturation by 10% instead.





 40.3819, 66.2684,  
47.2220


 40.3819, 66.2684,  
47.2220


338.8375,  
447.3362, 392.1194


 28.0220, 48.4903,  
32.8556


 75.0254, 113.8715,  
87.3984


 18.4828, 34.2153,  
21.7456


 98.0396, 144.4653,  
114.0454

 11.3989, 23.0591,  
13.4736


 125.3360,  
180.0997, 145.6230

 6.4051, 14.6371,  
7.6209

 157.2798,  
221.1593, 182.5498

 3.1359, 8.5651,  
3.7691

194.2366,  
268.0283, 225.2443

 1.2260, 4.4586,  
1.4995

236.5715,

 0.1268, 1.9333,

321.0912, 274.1250

0.2176

284.6500,  
380.7323, 329.6105

■ 0.0000, 0.5683,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.3819, 66.2684,  
47.2220

■ 40.3819, 66.2684,  
47.2220

■ 38.1964, 65.2469,  
42.4490

■ 43.3212, 67.6736,  
52.4116


■ 36.6665, 64.5534,  
38.0752


■ 47.0863, 69.4942,  
58.0251


■ 35.8441, 64.1956,  
35.0467


■ 51.7458, 71.7672,  
64.0752


■ 57.3597, 74.5233,  
70.5725

 63.9827, 77.7905,  
77.5271

 71.6648, 81.5945,  
84.9488

 80.4532, 85.9593,  
92.8469

 89.2760, 90.3324,  
101.1782

 90.4512, 90.8025,  
107.3671

# Harmonies

## Analogous

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



47.0101, 66.2684, 26.2327



40.3819, 66.2684, 47.2220



39.2813, 66.2684, 85.4574

# Triad

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



40.3819, 66.2684, 47.2220



67.4741, 66.2684, 183.1375



87.1969, 66.2684, 32.6490

# Complementary

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



40.3819, 66.2684, 47.2220



42.5458, 24.2873, 26.8743

# 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.



94.7057, 66.2684, 60.3101



40.3819, 66.2684, 47.2220



82.2246, 66.2684, 153.5597

# Square

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



40.3819, 66.2684, 47.2220



53.5410, 66.2684, 175.2912



92.7584, 66.2684, 104.6072



73.4814, 66.2684, 20.3410



# Rectangle

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



40.3819, 66.2684, 47.2220



41.6329, 66.2684, 118.2644



92.7584, 66.2684, 104.6072



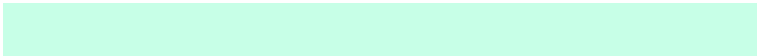
90.6193, 66.2684, 39.9236

# Sweetspot

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



40.3837, 66.2710, 47.2235



73.7760, 89.4442, 89.3207



43.1982, 68.4142, 16.0836



15.3203, 18.9121, 18.6410



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.



40.3837, 66.2710, 47.2235



42.9067, 74.4517, 46.2554



45.8306, 63.1593, 92.2166



15.9506, 17.8103, 18.7629



19.6888, 35.1675, 19.5419



1.6875, 2.9454, 1.8866



# Inverse Universe

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



42.5458, 24.2873, 26.8743



45.5686, 23.8683, 22.0211



39.6165, 24.3122, 7.7598



16.0479, 15.8689, 17.8085



21.0121, 10.6773, 7.9802

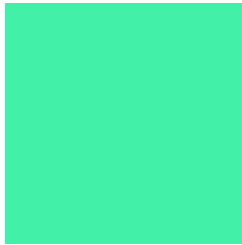


1.7966, 0.9077, 0.9196



# Previews

## White Background



This preview shows how the XYZ color 40.3819, 66.2684, 47.2220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

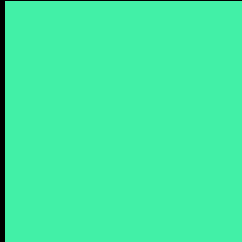
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.3819, 66.2684, 47.2220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

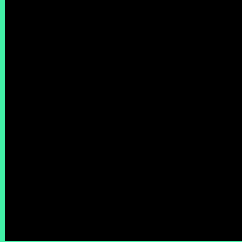
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.3819, 66.2684, 47.2220**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3819, 66.2684, 47.2220.



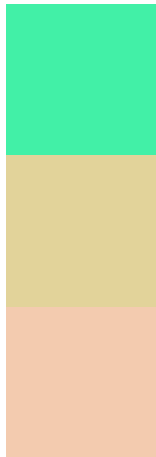
This preview shows how white text looks on a background with the XYZ color 40.3819, 66.2684,



# 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

40.3819, 66.2684, 47.2220

### Protanopia

60.4910, 65.0904, 39.9473

### Deuteranopia

66.0559, 64.8617, 49.5955



## Tritanopia

50.6069, 66.1376, 98.9055

# Trichromacy



## Original Color

40.3819, 66.2684, 47.2220



## Protanomaly

48.5277, 63.0706, 42.4170



## Deuteranomaly

50.5927, 61.6740, 48.2675



## Tritanomaly

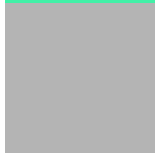
46.2335, 66.0348, 77.3271

# Monochromacy



## Original Color

40.3819, 66.2684, 47.2220



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

39.5059, 50.8252, 48.2855

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3819, 66.2684, 47.2220 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(66, 240, 167)` looks like.

```
.text, #text, p{  
    color:rgb(66, 240, 167)  
}
```

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(66, 240, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 240, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3819, 66.2684, 47.2220 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(66, 240, 167) }
```



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

```
.border{ border-color:rgb(66, 240, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 240, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 240, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 240, 167);  
box-shadow:4px 4px 4px 4px rgb(66, 240,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3819, 66.2684, 47.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 240, 167) }
```

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

```
.background{ background-color: rgb(66, 240,  
167) }
```

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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