

# Converting Colors

XYZ(38.3708, 54.9719, 48.6328)

Have a look what the booklet for  
XYZ(38.3708, 54.9719, 48.6328)  
contains.

<b>XYZ(38.3708, 54.9719, 48.6327)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(38.3708, 54.9719,  
48.6327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6ED7AE
RGB	110, 215, 174
RGB Percent	43%, 84%, 68%
CMY	0.5686, 0.1568, 0.3176
CMYK	0.49, 0.00, 0.19, 0.16
HSL	157°, 57%, 64%
HSV	157°, 49%, 84%
XYZ	38.3708, 54.9719, 48.6327
YIQ	178.9310, -49.4190, -35.0110

# Conversions

## Conversions Part 2

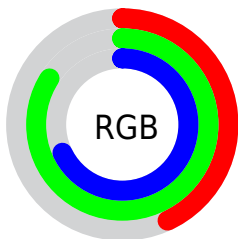
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 175, 215
Decimal	7264174
CIELab	79.03, -40.05, 10.96
CIELCh	79, 41.525, 164.703
Yxy	54.9719, 0.2703, 0.3872
Android (android.graphics.Color)	4285454254 (0xFF6ED7AE)
YUV	178.9310, -2.4310, -60.4525
Hunter-Lab	74.1430, -37.3723, 13.0100

# Details

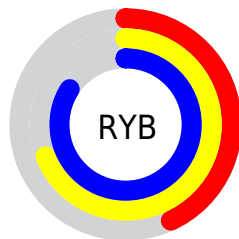
The XYZ color **38.3708, 54.9719, 48.6327** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.1880, 27.8345, 32.5872**, and the grayscale version is **42.8436, 45.0748, 49.0864**.

A 20% lighter version of the original color is **65.9793, 85.4487, 87.8787**, and **17.3991, 27.2249, 22.7503** is the 20% darker color. If you saturate the color by 10%, you get **35.2205, 53.4409, 44.3461**, and if you desaturate by 10%, it is **42.2242, 56.8623, 53.2217**.

# Distribution



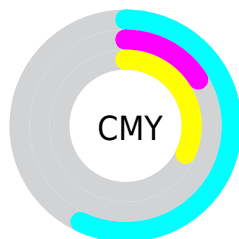
- Red (43%)
- Green (84%)
- Blue (68%)



- Red (43%)
- Yellow (69%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (19%)
- Black (16%)




- Cyan (57%)
- Magenta (16%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3708, 54.9719, 48.6327 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 38.3708, 54.9719, 48.6327 by changing the saturation by 10% instead.




 38.3708, 54.9719,  
48.6327


 38.3708, 54.9719,  
48.6327


330.4614,  
405.8054, 397.8754


 26.4491, 39.3792,  
33.9647


 71.9764, 97.4998,  
89.5210

 17.2944, 27.0549,  
22.5893


 94.3910, 125.2038,  
116.5784

 10.5412, 17.6144,  
14.0881


 121.0339,  
157.7137, 148.6026

 5.8242, 10.6735,  
8.0425

152.2706,  
195.4139, 186.0122

 2.7781, 5.8478,  
4.0340

188.4663,  
238.6887, 229.2257

 1.0376, 2.7527,  
1.6440

229.9864,

 0.0000, 1.0040,

287.9227, 278.6618

0.3219

277.1963,  
343.5001, 334.7388

■ 0.0000, 0.0000,  
0.0000

■ 38.3708, 54.9719,  
48.6327

■ 38.3708, 54.9719,  
48.6327

■ 35.2205, 53.4409,  
44.3461

■ 42.2242, 56.8623,  
53.2217

■ 32.7201, 52.2378,  
40.3509

■ 46.8201, 59.1280,  
58.1162

■ 30.8159, 51.3362,  
36.6410


■ 52.2002, 61.7918,  
63.3237


■ 29.4427, 50.7029,  
33.2081


■ 58.4015, 64.8728,  
68.8505


■ 28.4992, 50.2856,  
30.0422


■ 65.4590, 68.3889,  
74.7027

 28.4014, 50.2429,  
29.6904

 73.4053, 72.3567,  
80.8861

 80.2168, 75.7331,  
87.3100

 81.4437, 76.2238,  
93.7704

 82.7283, 76.7377,  
100.5353

# Harmonies

## Analogous

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



41.8489, 54.9719, 32.9842



38.3708, 54.9719, 48.6327



38.3361, 54.9719, 72.1651

# Triad

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



38.3708, 54.9719, 48.6327



56.3871, 54.9719, 115.5511



64.3778, 54.9719, 33.2092

# Complementary

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



38.3708, 54.9719, 48.6327



39.1880, 27.8345, 32.5872

# 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.



69.1769, 54.9719, 49.0311



38.3708, 54.9719, 48.6327



64.2438, 54.9719, 98.3810

# Square

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



38.3708, 54.9719, 48.6327



48.1677, 54.9719, 115.3617



69.1255, 54.9719, 72.6833



56.5549, 54.9719, 25.8133



# Rectangle

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



38.3708, 54.9719, 48.6327



40.2431, 54.9719, 89.6846



69.1255, 54.9719, 72.6833



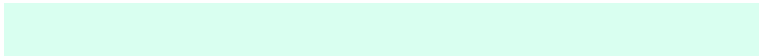
66.4330, 54.9719, 37.5033

# Sweetspot

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



38.3723, 54.9741, 48.6340



80.0387, 92.5285, 96.1290



40.0655, 56.4044, 23.5280



16.7292, 19.6051, 20.2102



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.



38.3723, 54.9741, 48.6340



51.5254, 78.4930, 64.8093



40.4098, 51.6473, 72.1318



12.5772, 14.0219, 14.8540



17.0401, 30.0714, 18.0389



1.0679, 1.8298, 1.2991



# Inverse Universe

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



39.1880, 27.8345, 32.5872



52.8836, 33.9268, 38.5524



37.6172, 29.1276, 18.3921



12.6220, 12.5003, 13.9498



17.7665, 9.0429, 6.0746



1.1116, 0.5614, 0.5771



# Previews

## White Background



This preview shows how the XYZ color 38.3708, 54.9719, 48.6327 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 38.3708, 54.9719, 48.6327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

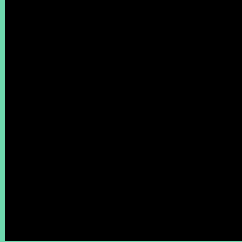
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.3708, 54.9719, 48.6327**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3708, 54.9719, 48.6327.



This preview shows how white text looks on a background with the XYZ color 38.3708, 54.9719,



# 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

38.3708, 54.9719, 48.6327

### Protanopia

51.0795, 54.2071, 42.4212

### Deuteranopia

55.4349, 54.3218, 50.7434



## Tritanopia

44.4587, 54.8331, 79.4748

# Trichromacy



## Original Color

38.3708, 54.9719, 48.6327



## Protanomaly

44.6731, 53.5771, 44.5461



## Deuteranomaly

46.8204, 53.1862, 49.9178



## Tritanomaly

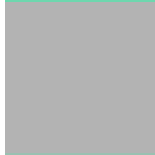
42.0426, 54.9667, 66.7863

# Monochromacy



## Original Color

38.3708, 54.9719, 48.6327



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

40.1119, 47.7436, 48.6963

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3708, 54.9719, 48.6327 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(110, 215, 174)` looks like.

```
.text, #text, p{  
    color:rgb(110, 215, 174)  
}
```

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(110, 215, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 215, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3708, 54.9719, 48.6327 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(110, 215, 174) }
```



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

```
.border{ border-color:rgb(110, 215, 174) }
```

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

Here you see how a box with a 4 pixel rgb(110, 215, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 215, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 215, 174);  
box-shadow:4px 4px 4px 4px rgb(110, 215,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3708, 54.9719, 48.6327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 215, 174) }
```

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

```
.background{ background-color: rgb(110,  
215, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor