

# Converting Colors

XYZ(30.4407, 44.6094, 39.8070)

Have a look what the booklet for  
XYZ(30.4407, 44.6094, 39.8070)  
contains.

<b>XYZ(30.4407, 44.6094, 39.8070)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(30.4407, 44.6094,  
39.8070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AC59F
RGB	90, 197, 159
RGB Percent	35%, 77%, 62%
CMY	0.6470, 0.2274, 0.3765
CMYK	0.54, 0.00, 0.19, 0.23
HSL	159°, 48%, 56%
HSV	159°, 54%, 77%
XYZ	30.4407, 44.6094, 39.8070
YIQ	160.6750, -51.5740, -34.5020

# Conversions

## Conversions Part 2

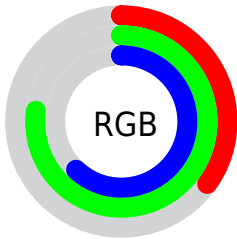
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 155, 197
Decimal	5948831
CIELab	72.63, -39.95, 9.81
CIELCh	73, 41.138, 166.206
Yxy	44.6094, 0.2650, 0.3884
Android (android.graphics.Color)	4284138911 (0xFF5AC59F)
YUV	160.6750, -0.8258, -61.9820
Hunter-Lab	66.7903, -35.5288, 11.4163

# Details

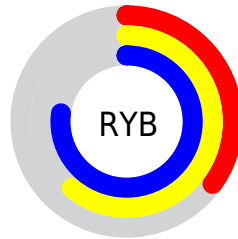
The XYZ color **30.4407, 44.6094, 39.8070** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.5799, 20.7422, 22.8155**, and the grayscale version is **33.7473, 35.5048, 38.6648**.

A 20% lighter version of the original color is **59.6120, 81.9417, 76.2928**, and **12.6890, 20.5881, 17.4925** is the 20% darker color. If you saturate the color by 10%, you get **28.1826, 43.5147, 36.6217**, and if you desaturate by 10%, it is **33.2434, 45.9832, 43.1992**.

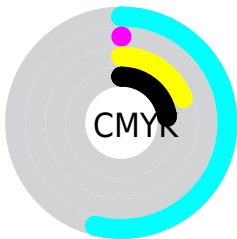
# Distribution



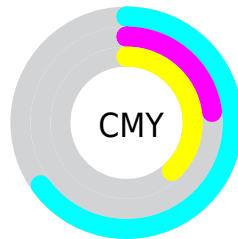
- Red (35%)
- Green (77%)
- Blue (62%)



- Red (35%)
- Yellow (61%)
- Blue (77%)



- Cyan (54%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)




- Cyan (65%)
- Magenta (23%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4407, 44.6094, 39.8070 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 30.4407, 44.6094, 39.8070 by changing the saturation by 10% instead.





 30.4407, 44.6094,  
39.8070


 30.4407, 44.6094,  
39.8070


295.8264,  
365.1893, 360.8373


 20.3231, 31.1499,  
27.0755


 59.7403, 82.1340,  
76.1034


 12.7397, 20.7130,  
17.3970

 79.6529, 106.9678,  
100.5053

 7.3253, 12.9144,  
10.3530


 103.5613,  
136.3618, 129.6345

 3.7145, 7.3696,  
5.5250

 131.8308,  
170.7005, 163.9094

 1.5419, 3.6943,  
2.4944

164.8266,  
210.3682, 203.7486

 0.3541, 1.5041,  
0.8372

202.9143,

 0.0000, 0.2916,

255.7493, 249.5706

0.0000

246.4591,  
307.2282, 301.7940

■ 0.0000, 0.0000,  
0.0000

■ 30.4407, 44.6094,  
39.8070

■ 30.4407, 44.6094,  
39.8070

■ 28.1826, 43.5147,  
36.6217

■ 33.2434, 45.9832,  
43.1992

■ 26.4238, 42.6722,  
33.6353

■ 36.6241, 47.6498,  
46.7997

■ 25.1175, 42.0592,  
30.8436

■ 40.6178, 49.6284,  
50.6140

■ 24.2055, 41.6458,  
28.2407

■ 45.2556, 51.9348,  
54.6464

■ 23.8002, 41.4674,  
26.8409

■ 50.5665, 54.5840,  
58.9008

■ 56.5776, 57.5899,  
63.3811

■ 63.3144, 60.9656,  
68.0911

■ 70.8013, 64.7236,  
73.0344

■ 74.3881, 66.4665,  
77.9960

# Harmonies

## Analogous

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



33.2616, 44.6094, 26.1685



30.4407, 44.6094, 39.8070



30.5606, 44.6094, 60.3633

# Triad

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



30.4407, 44.6094, 39.8070



46.3387, 44.6094, 96.8157



52.6028, 44.6094, 25.4027

# Complementary

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



30.4407, 44.6094, 39.8070



30.5799, 20.7422, 22.8155

# 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.



56.9592, 44.6094, 38.4259



30.4407, 44.6094, 39.8070



53.0751, 44.6094, 81.0907

# Square

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



30.4407, 44.6094, 39.8070



39.2174, 44.6094, 97.4944



57.1411, 44.6094, 58.5376



45.7501, 44.6094, 19.5684



# Rectangle

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



30.4407, 44.6094, 39.8070



32.2805, 44.6094, 75.6227



57.1411, 44.6094, 58.5376



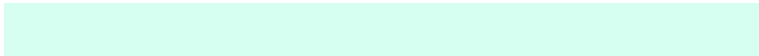
54.4397, 44.6094, 28.8904

# Sweetspot

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



30.4419, 44.6112, 39.8080



79.3540, 92.1679, 96.4434



30.9018, 45.3580, 16.7997



16.6028, 19.5375, 20.3162



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.



30.4419, 44.6112, 39.8080



49.8828, 77.6478, 64.6625



31.1744, 39.9637, 58.8962



10.7806, 12.0011, 12.7948



15.6948, 27.2903, 17.8694



0.7767, 1.3056, 1.0228



# Inverse Universe

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



30.5799, 20.7422, 22.8155



50.1878, 30.5883, 31.3244



29.8499, 22.5640, 12.4555



10.7869, 10.6981, 11.8609



15.9080, 8.1128, 4.7253

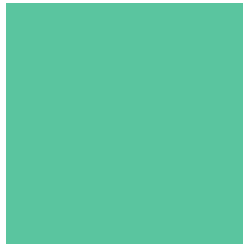


0.7877, 0.3979, 0.4053



# Previews

## White Background



This preview shows how the XYZ color 30.4407, 44.6094, 39.8070 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 30.4407, 44.6094, 39.8070 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

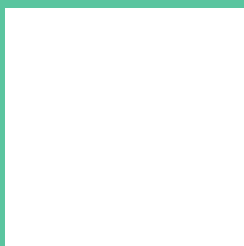
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.4407, 44.6094, 39.8070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.4407, 44.6094, 39.8070.



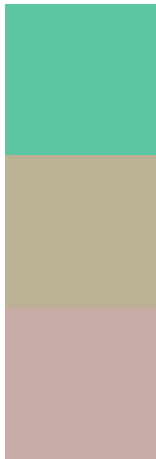
This preview shows how white text looks on a background with the XYZ color 30.4407, 44.6094,



# 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

30.4407, 44.6094, 39.8070

### Protanopia

41.6405, 44.1790, 34.7665

### Deuteranopia

44.9076, 43.9845, 41.7203



## Tritanopia

35.5971, 44.7211, 65.1484

# Trichromacy



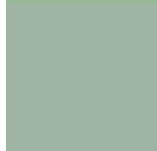
## Original Color

30.4407, 44.6094, 39.8070



## Protanomaly

35.8392, 43.2563, 36.5974



## Deuteranomaly

37.2302, 42.6578, 40.9219



## Tritanomaly

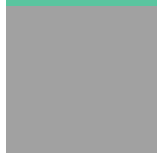
33.5108, 44.5234, 54.9718

# Monochromacy



## Original Color

30.4407, 44.6094, 39.8070



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

31.4729, 37.9611, 38.9261

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.4407, 44.6094, 39.8070 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(90, 197, 159)` looks like.

```
.text, #text, p{  
    color:rgb(90, 197, 159)  
}
```

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(90, 197, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 197, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 30.4407, 44.6094, 39.8070 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(90, 197, 159) }
```



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

```
.border{ border-color:rgb(90, 197, 159) }
```

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

Here you see how a box with a 4 pixel rgb(90, 197, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 197, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 197, 159);  
box-shadow:4px 4px 4px 4px rgb(90, 197,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.4407, 44.6094, 39.8070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 197, 159) }
```

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

```
.background{ background-color: rgb(90, 197,  
159) }
```

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