

# Converting Colors

XYZ(34.6711, 48.2781, 60.1924)

Have a look what the booklet for  
XYZ(34.6711, 48.2781, 60.1924)  
contains.

<b>XYZ(34.8273, 48.4924, 60.3477)</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(34.8273, 48.4924,  
60.3477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51CBC5
RGB	81, 203, 197
RGB Percent	32%, 80%, 77%
CMY	0.6823, 0.2039, 0.2274
CMYK	0.60, 0.00, 0.03, 0.20
HSL	177°, 54%, 56%
HSV	177°, 60%, 80%
XYZ	34.8273, 48.4924, 60.3477
YIQ	165.8380, -70.7860, -27.7300

# Conversions

## Conversions Part 2

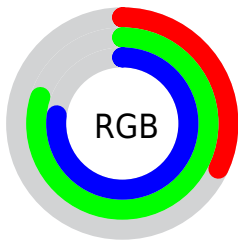
Format	Color
R <sub>Y</sub> B	81, 144, 203
Decimal	5360581
CIE Lab	75.13, -35.03, -7.16
CIE LCh	75, 35.753, 191.546
Yxy	48.4924, 0.2424, 0.3375
Android (android.graphics.Color)	4283550661 (0xFF51CBC5)
YUV	165.8380, 15.3629, -74.4029
Hunter-Lab	69.6365, -32.5906, -2.6358

# Details

The XYZ color **34.8273, 48.4924, 60.3477** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.2929, 19.2709, 11.1942**, and the grayscale version is **36.1214, 38.0025, 41.3847**.

A 20% lighter version of the original color is **64.8047, 84.4265, 106.6463**, and **15.5478, 23.1630, 29.6380** is the 20% darker color. If you saturate the color by 10%, you get **33.2272, 47.6818, 59.6784**, and if you desaturate by 10%, it is **36.9509, 49.5750, 61.0476**.

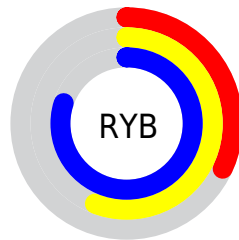
# Distribution



Red (32%)

Green (80%)

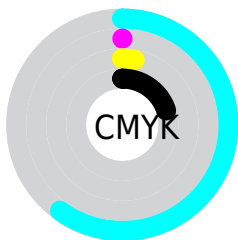
Blue (77%)



Red (32%)

Yellow (56%)

Blue (80%)

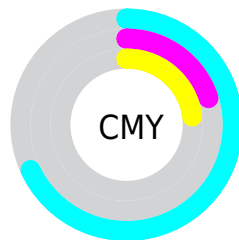


Cyan (60%)

Magenta (0%)

Yellow (3%)

Black (20%)



Cyan (68%)

Magenta (20%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8273, 48.4924, 60.3477 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 34.8273, 48.4924, 60.3477 by changing the saturation by 10% instead.





 34.8273, 48.4924,  
60.3477


 34.8273, 48.4924,  
60.3477


315.3268,  
380.7406, 443.7184


 23.6958, 34.2170,  
43.2718


 66.5539, 87.9371,  
106.8822


 15.2316, 23.0603,  
29.7655


 87.8797, 113.8752,  
137.1779

 9.0695, 14.6381,  
19.4101

 113.3343,  
144.4696, 172.7173

 4.8440, 8.5658,  
11.7872

 143.2831,  
180.1047, 213.9189

 2.1898, 4.4591,  
6.4782

178.0914,  
221.1650, 261.2012

 0.7374, 1.9335,  
3.0645

218.1245,

 0.0000, 0.5684,

268.0348, 314.9829

1.1277

263.7478,  
321.0985, 375.6825

■ 0.0000, 0.0000,  
0.0000

■ 34.8273, 48.4924,  
60.3477

■ 34.8273, 48.4924,  
60.3477

■ 33.2272, 47.6818,  
59.6784

■ 36.9509, 49.5750,  
61.0476

■ 32.0984, 47.1130,  
59.0341

■ 39.6358, 50.9458,  
61.7766

■ 31.3855, 46.7585,  
58.4132

■ 42.9211, 52.6259,  
62.5377

■ 30.9842, 46.5644,  
57.8164

■ 46.8413, 54.6333,  
63.3325

■ 51.4282, 56.9844,  
64.1625

■ 56.7117, 59.6944,  
65.0291

■ 62.7196, 62.7778,  
65.9335

■ 69.4783, 66.2482,  
66.8772

■ 73.7360, 68.4291,  
67.7078

# Harmonies

## Analogous

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



35.1539, 48.4924, 42.1934



34.8273, 48.4924, 60.3477



37.2989, 48.4924, 80.4926

# Triad

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



34.8273, 48.4924, 60.3477



54.9511, 48.4924, 84.6287



50.1900, 48.4924, 25.4597

# Complementary

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



34.8273, 48.4924, 60.3477



29.2929, 19.2709, 11.1942

# 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.



56.1654, 48.4924, 32.3219



34.8273, 48.4924, 60.3477



59.0885, 48.4924, 65.0500

# Square

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



34.8273, 48.4924, 60.3477



48.6557, 48.4924, 96.5698



59.5529, 48.4924, 45.9094



43.6172, 48.4924, 24.7748



# Rectangle

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



34.8273, 48.4924, 60.3477



40.3508, 48.4924, 91.2501



59.5529, 48.4924, 45.9094



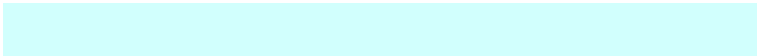
52.3503, 48.4924, 27.0284

# Sweetspot

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



34.8287, 48.4943, 60.3488



79.7713, 92.1653, 106.2984



26.7825, 45.3389, 15.1254



16.6227, 19.4957, 22.6663



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.



34.8287, 48.4943, 60.3488



55.0176, 79.5266, 99.6132



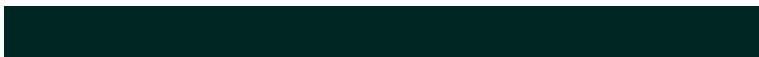
24.7800, 27.2741, 60.4603



11.5185, 12.7171, 14.2879



19.7276, 29.6364, 36.8463



1.0252, 1.5319, 1.9404



# Inverse Universe

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



29.2929, 19.2709, 11.1942



44.9828, 26.4031, 10.3989



34.9056, 30.8726, 11.9050



11.2343, 11.2225, 11.7686



15.7182, 8.0979, 0.9688

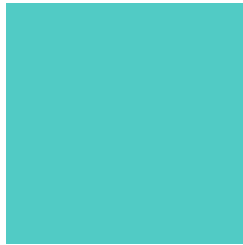


0.8189, 0.4210, 0.0921



# Previews

## White Background



This preview shows how the XYZ color 34.8273, 48.4924, 60.3477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

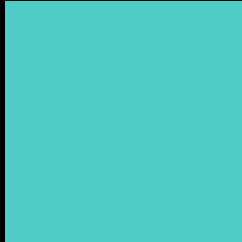
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.8273, 48.4924, 60.3477 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

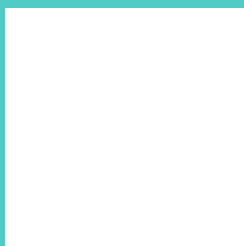
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.8273, 48.4924, 60.3477**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8273, 48.4924, 60.3477.



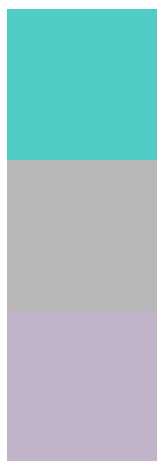
This preview shows how white text looks on a background with the XYZ color 34.8273, 48.4924,



# 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

34.8273, 48.4924, 60.3477

### Protanopia

45.9401, 47.8089, 52.7057

### Deuteranopia

48.7731, 47.8419, 62.5409



## Tritanopia

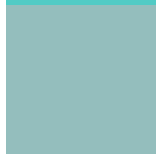
37.1688, 48.3903, 72.3470

# Trichromacy



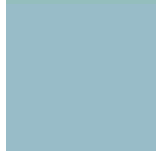
## Original Color

34.8273, 48.4924, 60.3477



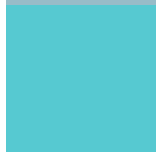
## Protanomaly

39.8115, 46.7969, 55.0785



## Deuteranomaly

41.3574, 46.8120, 61.4994



## Tritanomaly

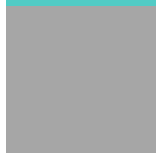
36.2330, 48.3552, 67.7454

# Monochromacy



## Original Color

34.8273, 48.4924, 60.3477



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

34.0476, 40.5654, 47.6304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8273, 48.4924, 60.3477 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(81, 203, 197)` looks like.

```
.text, #text, p{  
    color:rgb(81, 203, 197)  
}
```

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(81, 203, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 203, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8273, 48.4924, 60.3477 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(81, 203, 197) }
```



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

```
.border{ border-color:rgb(81, 203, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 203, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 203, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 203, 197);  
box-shadow:4px 4px 4px 4px rgb(81, 203,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8273, 48.4924, 60.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 203, 197) }
```

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

```
.background{ background-color: rgb(81, 203,  
197) }
```

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