

# Converting Colors

XYZ(34.7389, 47.0942, 60.9831)

Have a look what the booklet for  
XYZ(34.7389, 47.0942, 60.9831)  
contains.

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# Color

**XYZ(34.6410, 46.9988,  
60.6720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58C7C6
RGB	88, 199, 198
RGB Percent	35%, 78%, 78%
CMY	0.6549, 0.2196, 0.2235
CMYK	0.56, 0.00, 0.01, 0.22
HSL	179°, 50%, 56%
HSV	179°, 56%, 78%
XYZ	34.6410, 46.9988, 60.6720
YIQ	165.6970, -65.8350, -23.8430

# Conversions

## Conversions Part 2

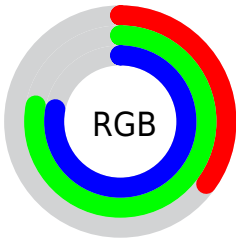
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 144, 199
Decimal	5818310
CIE Lab	74.19, -31.59, -9.08
CIE LCh	74, 32.872, 196.035
Yxy	46.9988, 0.2434, 0.3303
Android (android.graphics.Color)	4284008390 (0xFF58C7C6)
YUV	165.6970, 15.9254, -68.1403
Hunter-Lab	68.5557, -29.7768, -4.4829

# Details

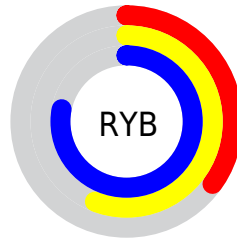
The XYZ color **34.6410, 46.9988, 60.6720** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.8477, 19.8443, 11.7627**, and the grayscale version is **36.0490, 37.9264, 41.3018**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **15.1720, 22.2709, 29.8846** is the 20% darker color. If you saturate the color by 10%, you get **32.9879, 46.1501, 60.4876**, and if you desaturate by 10%, it is **36.8110, 48.1162, 60.8828**.

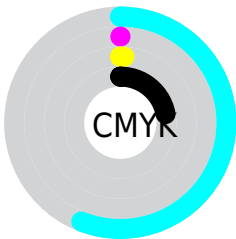
# Distribution



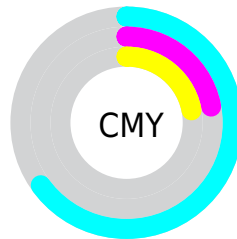
- Red (35%)
- Green (78%)
- Blue (78%)



- Red (35%)
- Yellow (56%)
- Blue (78%)



- Cyan (56%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)



- Cyan (65%)
- Magenta (22%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6410, 46.9988, 60.6720 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 34.6410, 46.9988, 60.6720 by changing the saturation by 10% instead.



■ 34.6410, 46.9988,  
60.6720

■ 34.6410, 46.9988,  
60.6720

314.5167,  
374.8097, 444.9436

■ 23.5517, 33.0347,  
43.5317

■ 66.2669, 85.7118,  
107.3568

■ 15.1243, 22.1530,  
29.9680

■ 87.5343, 111.2296,  
137.7383

■ 8.9936, 13.9694,  
19.5625

■ 112.9250,  
141.3673, 173.3706

■ 4.7941, 8.0994,  
11.8965

■ 142.8044,  
176.5094, 214.6724

■ 2.1605, 4.1586,  
6.5515

177.5380,  
217.0403, 262.0620

■ 0.7218, 1.7627,  
3.1091

217.4910,

■ 0.0000, 0.4637,

263.3444, 315.9580

1.1506

263.0288,  
315.8061, 376.7790

■ 0.0000, 0.0000,  
0.0000

■ 34.6410, 46.9988,  
60.6720

■ 34.6410, 46.9988,  
60.6720

■ 32.9879, 46.1501,  
60.4876

■ 36.8110, 48.1162,  
60.8828

■ 31.8046, 45.5424,  
60.3242

■ 39.5318, 49.5164,  
61.1185

■ 31.0426, 45.1520,  
60.1807

■ 42.8394, 51.2191,  
61.3818

■ 30.6399, 44.9468,  
60.0542

■ 46.7653, 53.2406,  
61.6741

■ 30.5260, 44.8891,  
60.0034

■ 51.3391, 55.5961,  
61.9969

■ 56.5883, 58.2997,  
62.3514

■ 62.5388, 61.3649,  
62.7389

■ 69.2152, 64.8043,  
63.1605

■ 72.0449, 66.2606,  
63.4022

# Harmonies

## Analogous

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



34.5516, 46.9988, 43.7344



34.6410, 46.9988, 60.6720



37.2569, 46.9988, 78.2674

# Triad

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



34.6410, 46.9988, 60.6720



53.3338, 46.9988, 77.1720



47.4618, 46.9988, 25.6983

# Complementary

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



34.6410, 46.9988, 60.6720



28.8477, 19.8443, 11.7627

# 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.



53.0086, 46.9988, 31.1885



34.6410, 46.9988, 60.6720



56.5951, 46.9988, 59.4121

# Square

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



34.6410, 46.9988, 60.6720



47.8748, 46.9988, 89.1313



56.4711, 46.9988, 42.7224



41.6133, 46.9988, 25.8905



# Rectangle

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



34.6410, 46.9988, 60.6720



40.2244, 46.9988, 86.9276



56.4711, 46.9988, 42.7224



49.4336, 46.9988, 26.8774

# Sweetspot

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



34.6424, 47.0006, 60.6731



80.7976, 92.6599, 107.9045



26.3883, 43.7194, 16.2816



16.9820, 19.6724, 23.0731



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.



34.6424, 47.0006, 60.6731



57.2323, 80.5328, 105.8394



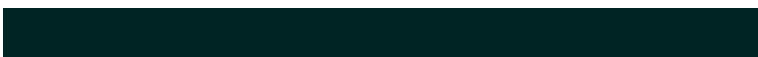
24.5138, 26.5579, 57.8690



10.9424, 12.0659, 13.6471



19.6301, 28.8644, 38.5921



0.9308, 1.3673, 1.8345



# Inverse Universe

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



28.8477, 19.8443, 11.7627



46.0893, 28.2909, 11.7707



34.9374, 32.0906, 13.5864



10.6377, 10.6385, 11.0754



15.1533, 7.8109, 0.7513

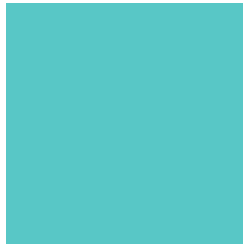


0.7189, 0.3704, 0.0429



# Previews

## White Background



This preview shows how the XYZ color 34.6410, 46.9988, 60.6720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

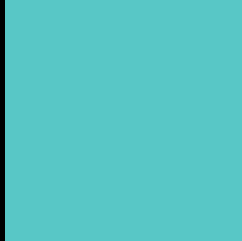
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6410, 46.9988, 60.6720 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

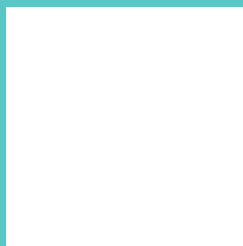
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.6410, 46.9988, 60.6720**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6410, 46.9988, 60.6720.



This preview shows how white text looks on a background with the XYZ color 34.6410, 46.9988,



# 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

34.6410, 46.9988, 60.6720

### Protanopia

44.8193, 46.2977, 53.5878

### Deuteranopia

47.2911, 46.1813, 62.9213



## Tritanopia

36.5926, 47.1163, 70.1165

# Trichromacy



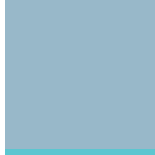
## Original Color

34.6410, 46.9988, 60.6720



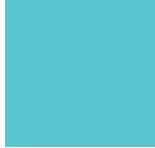
## Protanomaly

39.3870, 45.5981, 56.0156



## Deuteranomaly

40.6320, 45.1734, 61.8361



## Tritanomaly

35.9929, 47.2175, 66.8914

# Monochromacy



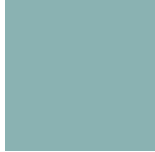
## Original Color

34.6410, 46.9988, 60.6720



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

34.4375, 40.4584, 48.1137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6410, 46.9988, 60.6720 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(88, 199, 198)` looks like.

```
.text, #text, p{  
    color:rgb(88, 199, 198)  
}
```

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(88, 199, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 199, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6410, 46.9988, 60.6720 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(88, 199, 198) }
```



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

```
.border{ border-color:rgb(88, 199, 198) }
```

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

Here you see how a box with a 4 pixel rgb(88, 199, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 199, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 199, 198);  
box-shadow:4px 4px 4px 4px rgb(88, 199,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6410, 46.9988, 60.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 199, 198) }
```

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

```
.background{ background-color: rgb(88, 199,  
198) }
```

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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