

Converting Colors

XYZ(36.0600, 50.3688, 68.7944)

Have a look what the booklet for
XYZ(36.0600, 50.3688, 68.7944)
contains.

XYZ(36.0600, 50.3688, 68.7944)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.0600, 50.3688,
68.7944)**

Conversions

Conversions Part 1

Format	Color
Hex	40CFD2
RGB	64, 207, 210
RGB Percent	25%, 81%, 82%
CMY	0.7490, 0.1882, 0.1765
CMYK	0.70, 0.01, 0.00, 0.18
HSL	181°, 62%, 54%
HSV	181°, 70%, 82%
XYZ	36.0600, 50.3688, 68.7944
YIQ	164.5850, -86.1910, -29.3830

Conversions

Conversions Part 2

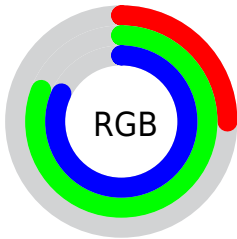
Format	Color
RYB	64, 136, 210
Decimal	4247506
CIELab	76.30, -35.86, -12.49
CIELCh	76, 37.971, 199.200
Yxy	50.3688, 0.2323, 0.3245
Android (android.graphics.Color)	4282437586 (0xFF40CFD2)
YUV	164.5850, 22.3896, -88.2130
Hunter-Lab	70.9710, -33.5043, -7.7920

Details

The XYZ color **36.0600, 50.3688, 68.7944** 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 **29.5119, 18.0872, 6.7874**, and the grayscale version is **35.4932, 37.3416, 40.6650**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **17.2290, 24.8568, 35.3423** is the 20% darker color. If you saturate the color by 10%, you get **34.8389, 49.5855, 68.7085**, and if you desaturate by 10%, it is **37.7983, 51.4214, 68.9069**.

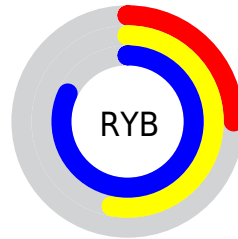
Distribution



Red (25%)

Green (81%)

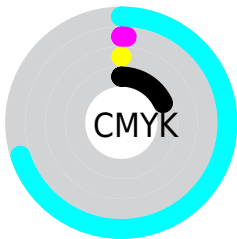
Blue (82%)



Red (25%)

Yellow (53%)

Blue (82%)

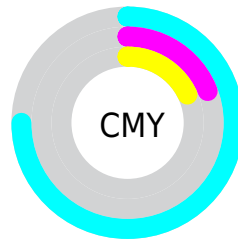


Cyan (70%)

Magenta (1%)

Yellow (0%)

Black (18%)



Cyan (75%)

Magenta (19%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0600, 50.3688, 68.7944 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 36.0600, 50.3688, 68.7944 by changing the saturation by 10% instead.

36.0600, 50.3688,
68.7944

36.0600, 50.3688,
68.7944

320.6494,
388.1064, 474.9798

24.6509, 35.7065,
50.0736

68.4479, 90.7211,
119.1528

15.9445, 24.2076,
35.1003

90.1574, 117.1798,
151.6275

9.5755, 15.4877,
23.4560

116.0311,
148.3396, 189.5238

5.1785, 9.1624,
14.7221

146.4343,
184.5847, 233.2604

2.3882, 4.8472,
8.4801

181.7324,
226.2995, 283.2557

0.8392, 2.1579,
4.3115

222.2907,

0.0000, 0.6969,

273.8685, 339.9284

1.7978

268.4745,
327.6760, 403.6969

■ 0.0000, 0.0000,
0.4265

■ 0.0000, 0.0000,
0.0000

■ 36.0600, 50.3688,
68.7944

■ 36.0600, 50.3688,
68.7944

■ 34.8389, 49.5855,
68.7085

■ 37.7983, 51.4214,
68.9069

■ 34.0693, 49.0343,
68.6427

■ 40.1011, 52.7642,
69.0447

■ 33.6471, 48.6625,
68.5932

■ 43.0151, 54.4226,
69.2112

■ 33.6295, 48.6461,
68.5909

■ 46.5812, 56.4177,
69.4083

■ 50.8368, 58.7685,
69.6378

■ 55.8162, 61.4930,
69.9012

■ 61.5517, 64.6076,
70.2001

■ 68.0735, 68.1280,
70.5359

■ 75.4101, 72.0689,
70.9099

Harmonies

Analogous

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



35.6314, 50.3688, 47.8108



36.0600, 50.3688, 68.7944



39.4638, 50.3688, 90.2546

Triad

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



36.0600, 50.3688, 68.7944



59.0192, 50.3688, 84.7037



50.4888, 50.3688, 24.6115

Complementary

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



36.0600, 50.3688, 68.7944



29.5119, 18.0872, 6.7874

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.



57.4016, 50.3688, 30.1685



36.0600, 50.3688, 68.7944



62.6416, 50.3688, 62.5331

Square

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



36.0600, 50.3688, 68.7944



52.5254, 50.3688, 100.9017



62.0219, 50.3688, 42.9182



43.5057, 50.3688, 25.4944

Rectangle

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



36.0600, 50.3688, 68.7944



43.1693, 50.3688, 100.3401



62.0219, 50.3688, 42.9182



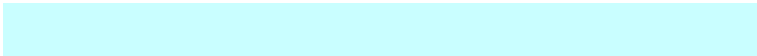
52.9088, 50.3688, 25.7199

Sweetspot

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



36.0615, 50.3707, 68.7956



77.6687, 90.5203, 107.9863



26.1583, 47.5828, 13.0285



16.2174, 19.1507, 23.0917



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.



36.0615, 50.3707, 68.7956



53.4500, 76.5192, 106.5603



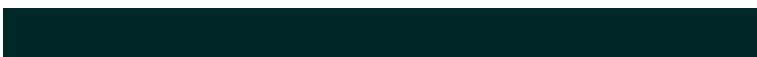
22.3522, 22.9521, 64.2258



12.1367, 13.3637, 15.1834



20.5228, 29.6922, 41.8420



1.1543, 1.6737, 2.3418

Inverse Universe

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



39.6755, 21.8747, 61.1647



59.4746, 29.9565, 93.6281



36.8006, 32.6645, 9.2170



12.2999, 12.0047, 14.8550



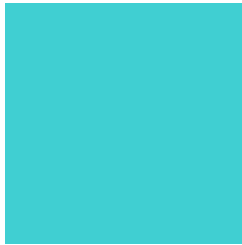
22.9897, 11.0687, 36.4475



1.2889, 0.6203, 2.0559

Previews

White Background



This preview shows how the XYZ color 36.0600, 50.3688, 68.7944 looks on a white background.

Color Contrast Check

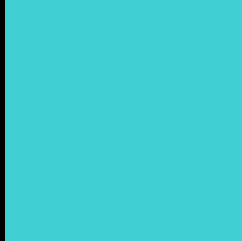
Large Text (above 18pt) WCAG AA × Fail

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 36.0600, 50.3688, 68.7944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

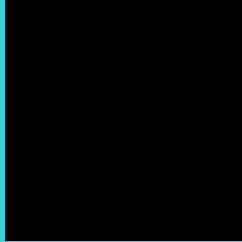
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

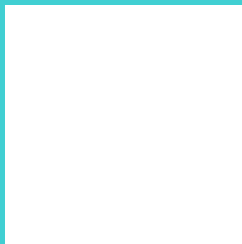
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0600, 50.3688, 68.7944

Background



This preview shows how black text looks on a background with the XYZ color 36.0600, 50.3688, 68.7944.

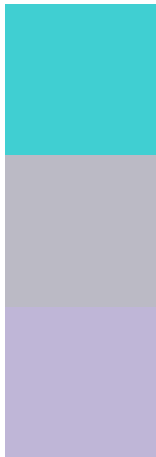


This preview shows how white text looks on a background with the XYZ color 36.0600, 50.3688,

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

36.0600, 50.3688, 68.7944

Protanopia

48.1305, 49.7138, 59.8823

Deuteranopia

50.4795, 49.4386, 71.1720



Tritanopia

37.6147, 50.2762, 76.8290

Trichromacy



Original Color

36.0600, 50.3688, 68.7944



Protanomaly

41.1078, 48.5986, 63.0910



Deuteranomaly

42.3181, 48.0854, 70.0018



Tritanomaly

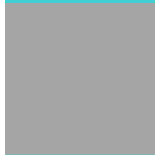
37.1101, 50.4335, 74.1084

Monochromacy



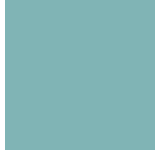
Original Color

36.0600, 50.3688, 68.7944



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.5638, 40.5679, 49.7774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0600, 50.3688, 68.7944 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(64, 207, 210)` looks like.

```
.text, #text, p{  
    color:rgb(64, 207, 210)  
}
```

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(64, 207, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 207, 210) }
```

Border

The CSS property to change the border of an element to XYZ 36.0600, 50.3688, 68.7944 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(64, 207, 210) }
```


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

```
.border{ border-color:rgb(64, 207, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 207, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 207, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 207, 210);  
box-shadow:4px 4px 4px 4px rgb(64, 207,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0600, 50.3688, 68.7944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 207, 210) }
```

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

```
.background{ background-color: rgb(64, 207,  
210) }
```

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