

Converting Colors

XYZ(35.3783, 48.2750, 64.6621)

Have a look what the booklet for
XYZ(35.3783, 48.2750, 64.6621)
contains.

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Color

**XYZ(35.4130, 48.3500,
64.5928)**

Conversions

Conversions Part 1

Format	Color
Hex	51CACC
RGB	81, 202, 204
RGB Percent	32%, 79%, 80%
CMY	0.6823, 0.2078, 0.2000
CMYK	0.60, 0.01, 0.00, 0.20
HSL	181°, 55%, 56%
HSV	181°, 60%, 80%
XYZ	35.4130, 48.3500, 64.5928
YIQ	166.0490, -72.7580, -25.0300

Conversions

Conversions Part 2

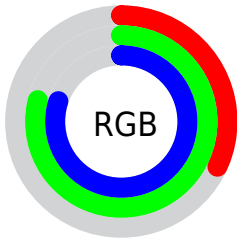
Format	Color
RYB	81, 142, 204
Decimal	5360332
CIELab	75.05, -32.65, -11.08
CIELCh	75, 34.477, 198.738
Yxy	48.3500, 0.2387, 0.3259
Android (android.graphics.Color)	4283550412 (0xFF51CACC)
YUV	166.0490, 18.7098, -74.5880
Hunter-Lab	69.5342, -30.7767, -6.4027

Details

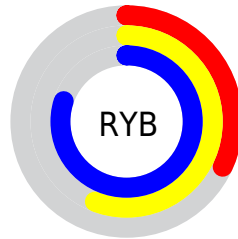
The XYZ color **35.4130, 48.3500, 64.5928** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.4814, 19.6191, 10.0190**, and the grayscale version is **36.2084, 38.0940, 41.4844**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **15.9387, 23.0694, 32.4670** is the 20% darker color. If you saturate the color by 10%, you get **33.8432, 47.4265, 64.4982**, and if you desaturate by 10%, it is **37.5109, 49.5482, 64.7144**.

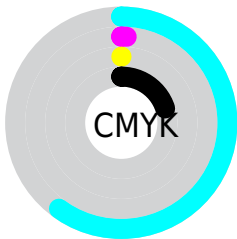
Distribution



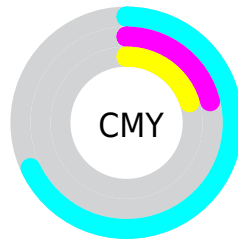
- Red (32%)
- Green (79%)
- Blue (80%)



- Red (32%)
- Yellow (56%)
- Blue (80%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (68%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4130, 48.3500, 64.5928 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 35.4130, 48.3500, 64.5928 by changing the saturation by 10% instead.

35.4130, 48.3500,
64.5928

35.4130, 48.3500,
64.5928

317.8637,
380.1778, 459.5933

24.1492, 34.1041,
46.6817

67.4549, 87.7253,
113.0719

15.5697, 22.9736,
32.4316

88.9637, 113.6235,
144.4770

9.3091, 14.5740,
21.4238

114.6182,
144.1746, 181.2172

5.0020, 8.5210,
13.2399

144.7838,
179.7631, 223.7110

2.2832, 4.4301,
7.4613

179.8257,
220.7732, 272.3770

0.7861, 1.9169,
3.6694

220.1095,

0.0000, 0.5585,

267.5894, 327.6337

1.4458

266.0004,
320.5962, 389.8996

■ 0.0000, 0.0000,
0.1771

■ 0.0000, 0.0000,
0.0000

■ 35.4130, 48.3500,
64.5928

■ 35.4130, 48.3500,
64.5928

■ 33.8432, 47.4265,
64.4982

■ 37.5109, 49.5482,
64.7144

■ 32.7484, 46.7470,
64.4247

■ 40.1752, 51.0375,
64.8614

■ 32.0725, 46.2837,
64.3709

■ 43.4456, 52.8395,
65.0369

■ 31.7130, 45.9871,
64.3326

■ 47.3570, 54.9723,
65.2424

■ 51.9418, 57.4524,
65.4794

■ 57.2301, 60.2954,
65.7495

■ 63.2501, 63.5159,
66.0538

■ 70.0287, 67.1277,
66.3937

■ 73.9673, 69.2757,
66.6007

Harmonies

Analogous

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



35.0706, 48.3500, 46.1570



35.4130, 48.3500, 64.5928



38.4212, 48.3500, 83.2617

Triad

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



35.4130, 48.3500, 64.5928



55.6743, 48.3500, 78.9954



48.3615, 48.3500, 25.4269

Complementary

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



35.4130, 48.3500, 64.5928



29.4814, 19.6191, 10.0190

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.



54.4149, 48.3500, 30.6380



35.4130, 48.3500, 64.5928



58.8869, 48.3500, 59.7141

Square

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



35.4130, 48.3500, 64.5928



49.9569, 48.3500, 92.8004



58.4060, 48.3500, 42.2695



42.1731, 48.3500, 26.1543

Rectangle

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



35.4130, 48.3500, 64.5928



41.7015, 48.3500, 92.0399



58.4060, 48.3500, 42.2695



50.4889, 48.3500, 26.4835

Sweetspot

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



35.4145, 48.3518, 64.5939



79.8953, 91.8350, 108.1227



26.4726, 45.5303, 15.1790



16.6534, 19.4136, 23.1194



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.



35.4145, 48.3518, 64.5939



55.4937, 78.2062, 106.7782



24.0414, 25.6058, 60.8029



11.5270, 12.6945, 14.4131



19.9673, 28.9586, 40.4935



1.0352, 1.5041, 2.0907

Inverse Universe

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



38.5062, 22.9879, 58.2866



61.0921, 32.8469, 95.2296



36.1359, 32.9282, 12.2372



11.6794, 11.4005, 14.1123



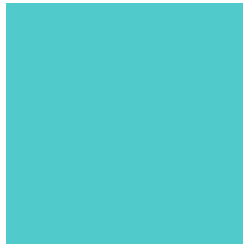
22.2895, 10.7264, 35.5727



1.1525, 0.5544, 1.8487

Previews

White Background



This preview shows how the XYZ color 35.4130, 48.3500, 64.5928 looks on a white background.

Color Contrast Check

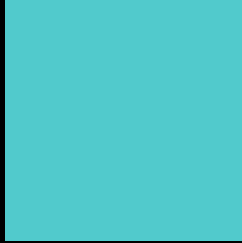
Large Text (above 18pt) WCAG AA × Fail

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 35.4130, 48.3500, 64.5928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

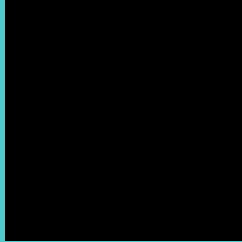
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

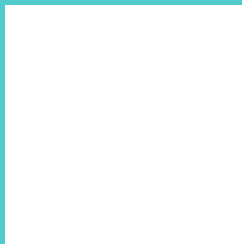
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4130, 48.3500, 64.5928

Background



This preview shows how black text looks on a background with the XYZ color 35.4130, 48.3500, 64.5928.



This preview shows how white text looks on a background with the XYZ color 35.4130, 48.3500,

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

35.4130, 48.3500, 64.5928

Protanopia

46.0095, 47.4520, 56.6034

Deuteranopia

48.6150, 47.6625, 66.9591



Tritanopia

36.8867, 48.2449, 72.3338

Trichromacy



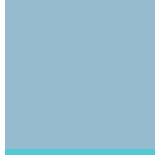
Original Color

35.4130, 48.3500, 64.5928



Protanomaly

40.1940, 46.5838, 59.0977



Deuteranomaly

41.6105, 46.5297, 65.8195



Tritanomaly

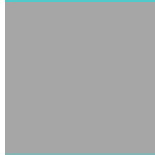
36.4265, 48.4116, 69.7118

Monochromacy



Original Color

35.4130, 48.3500, 64.5928



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.3500, 40.6864, 49.2228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4130, 48.3500, 64.5928 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, 202, 204)` looks like.

```
.text, #text, p{  
    color:rgb(81, 202, 204)  
}
```

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, 202, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 202, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.4130, 48.3500, 64.5928 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, 202, 204) }
```


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

```
.border{ border-color:rgb(81, 202, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 202, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 202, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 202, 204);  
box-shadow:4px 4px 4px 4px rgb(81, 202,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4130, 48.3500, 64.5928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 202, 204) }
```

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

```
.background{ background-color: rgb(81, 202,  
204) }
```

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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