

Converting Colors

XYZ(36.3900, 48.2112, 68.0785)

Have a look what the booklet for
XYZ(36.3900, 48.2112, 68.0785)
contains.

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Color

**XYZ(36.3116, 48.0364,
68.3309)**

Conversions

Conversions Part 1

Format	Color
Hex	58C8D2
RGB	88, 200, 210
RGB Percent	35%, 78%, 82%
CMY	0.6549, 0.2157, 0.1765
CMYK	0.58, 0.05, 0.00, 0.18
HSL	185°, 58%, 58%
HSV	185°, 58%, 82%
XYZ	36.3116, 48.0364, 68.3309
YIQ	167.6520, -69.9620, -20.6340

Conversions

Conversions Part 2

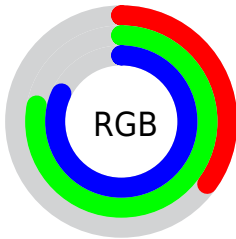
Format	Color
RYB	88, 146, 210
Decimal	5818578
CIELab	74.85, -28.78, -14.60
CIELCh	75, 32.271, 206.892
Yxy	48.0364, 0.2378, 0.3146
Android (android.graphics.Color)	4284008658 (0xFF58C8D2)
YUV	167.6520, 20.8776, -69.8548
Hunter-Lab	69.3083, -27.7708, -9.9381

Details

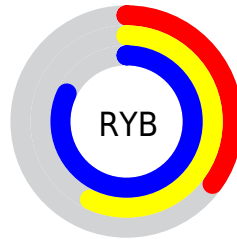
The XYZ color **36.3116, 48.0364, 68.3309** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.7084, 23.1426, 11.9768**, and the grayscale version is **36.9759, 38.9015, 42.3637**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **16.2796, 22.9581, 35.0258** is the 20% darker color. If you saturate the color by 10%, you get **34.2068, 46.3640, 68.1199**, and if you desaturate by 10%, it is **38.9963, 50.0166, 68.5725**.

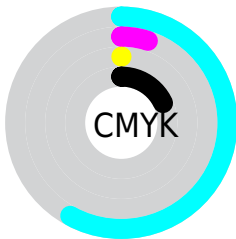
Distribution



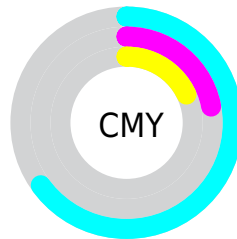
- Red (35%)
- Green (78%)
- Blue (82%)



- Red (35%)
- Yellow (57%)
- Blue (82%)



- Cyan (58%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (65%)
- Magenta (22%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3116, 48.0364, 68.3309 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 36.3116, 48.0364, 68.3309 by changing the saturation by 10% instead.

36.3116, 48.0364,
68.3309

36.3116, 48.0364,
68.3309

321.7280,
378.9364, 473.2974

24.8462, 33.8557,
49.6986

68.8335, 87.2586,
118.4841

16.0906, 22.7828,
34.8045

90.6206, 113.0689,
150.8421

9.6795, 14.4332,
23.2300

116.5791,
143.5245, 188.6123

5.2476, 8.4226,
14.5565

147.0741,
179.0099, 232.2135

2.4295, 4.3665,
8.3656

182.4712,
219.9093, 282.0640

0.8599, 1.8806,
4.2386

223.1356,

0.0000, 0.5367,

266.6073, 338.5825

1.7572

269.4328,
319.4882, 402.1874

■ 0.0000, 0.0000,
0.3995

■ 0.0000, 0.0000,
0.0000

■ 36.3116, 48.0364,
68.3309

■ 36.3116, 48.0364,
68.3309

■ 34.2068, 46.3640,
68.1199

■ 38.9963, 50.0166,
68.5725

■ 32.6267, 44.9676,
67.9337


■ 42.3011, 52.3220,
68.8433


■ 31.5133, 43.8185,
67.7705

■ 46.2678, 54.9754,
69.1464


■ 30.7794, 42.8716,
67.6264


■ 50.9332, 57.9957,
69.4835


 30.6567, 42.7007,
67.5999

 56.3315, 61.4005,
69.8561

 62.4945, 65.2064,
70.2659

 69.4523, 69.4288,
70.7142

 76.8619, 73.8909,
71.1849

 77.2991, 74.7654,
71.3307

Harmonies

Analogous

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



35.2878, 48.0364, 50.5703



36.3116, 48.0364, 68.3309



39.7648, 48.0364, 84.3252

Triad

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



36.3116, 48.0364, 68.3309



55.7803, 48.0364, 72.0234



46.2719, 48.0364, 26.2084

Complementary

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



36.3116, 48.0364, 68.3309



32.7084, 23.1426, 11.9768

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.



52.1046, 48.0364, 29.6285



36.3116, 48.0364, 68.3309



57.8816, 48.0364, 54.0758

Square

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



36.3116, 48.0364, 68.3309



50.9556, 48.0364, 86.7581



56.4826, 48.0364, 39.0014



40.7394, 48.0364, 28.4447

Rectangle

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



36.3116, 48.0364, 68.3309



43.1447, 48.0364, 90.5300



56.4826, 48.0364, 39.0014



48.2653, 48.0364, 26.7130

Sweetspot

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



36.3131, 48.0382, 68.3320



79.7376, 90.4392, 107.8616



29.1897, 49.0159, 19.0224



16.7286, 19.1415, 23.0629



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.



36.3131, 48.0382, 68.3320



52.3398, 71.3159, 105.6145



25.1638, 25.7398, 64.6156



12.0721, 13.2344, 15.1619



18.7353, 26.1173, 41.2462



1.0726, 1.5104, 2.3146

Inverse Universe

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



40.4946, 24.8525, 57.3082



59.6424, 32.8114, 85.9171



40.4205, 38.5667, 14.5475



12.2673, 11.9916, 14.6832



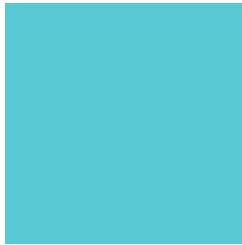
22.0875, 10.7078, 31.6964



1.2476, 0.6038, 1.8388

Previews

White Background



This preview shows how the XYZ color 36.3116, 48.0364, 68.3309 looks on a white background.

Color Contrast Check

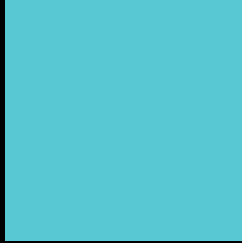
Large Text (above 18pt) WCAG AA × Fail

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 36.3116, 48.0364, 68.3309 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

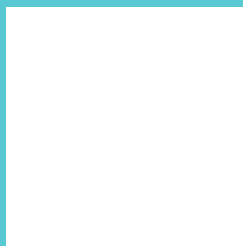
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3116, 48.0364, 68.3309

Background



This preview shows how black text looks on a background with the XYZ color 36.3116, 48.0364, 68.3309.



This preview shows how white text looks on a background with the XYZ color 36.3116, 48.0364,

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

36.3116, 48.0364, 68.3309

Protanopia

46.2124, 47.4782, 60.1546

Deuteranopia

48.3934, 47.4608, 70.9002



Tritanopia

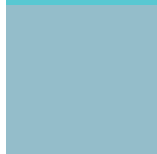
36.9056, 47.9268, 71.5956

Trichromacy



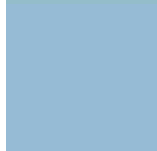
Original Color

36.3116, 48.0364, 68.3309



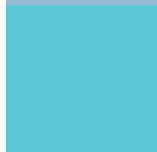
Protanomaly

41.0710, 46.9554, 62.7757



Deuteranomaly

42.3582, 46.8288, 69.7571



Tritanomaly

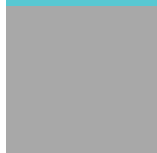
36.5535, 47.7748, 70.2457

Monochromacy



Original Color

36.3116, 48.0364, 68.3309



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.5160, 41.5504, 50.9479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3116, 48.0364, 68.3309 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, 200, 210)` looks like.

```
.text, #text, p{  
    color:rgb(88, 200, 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(88, 200, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 200, 210) }
```

Border

The CSS property to change the border of an element to XYZ 36.3116, 48.0364, 68.3309 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, 200, 210) }
```


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

```
.border{ border-color:rgb(88, 200, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 200, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 200, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 200, 210);  
box-shadow:4px 4px 4px 4px rgb(88, 200,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3116, 48.0364, 68.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 200, 210) }
```

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

```
.background{ background-color: rgb(88, 200,  
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](#).

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