

Converting Colors

XYZ(36.2679, 48.5559, 60.5967)

Have a look what the booklet for
XYZ(36.2679, 48.5559, 60.5967)
contains.

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Color

**XYZ(36.3352, 48.5598,
60.8840)**

Conversions

Conversions Part 1

Format	Color
Hex	64C9C6
RGB	100, 201, 198
RGB Percent	39%, 79%, 78%
CMY	0.6078, 0.2118, 0.2235
CMYK	0.50, 0.00, 0.01, 0.21
HSL	178°, 48%, 59%
HSV	178°, 50%, 79%
XYZ	36.3352, 48.5598, 60.8840
YIQ	170.4590, -59.2330, -22.3450

Conversions

Conversions Part 2

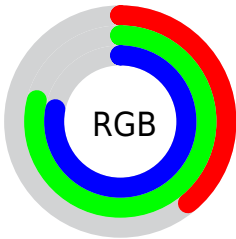
Format	Color
RYB	100, 151, 201
Decimal	6605254
CIELab	75.18, -30.12, -7.57
CIElCh	75, 31.056, 194.106
Yxy	48.5598, 0.2492, 0.3331
Android (android.graphics.Color)	4284795334 (0xFF64C9C6)
YUV	170.4590, 13.5777, -61.7925
Hunter-Lab	69.6849, -28.8747, -3.0226

Details

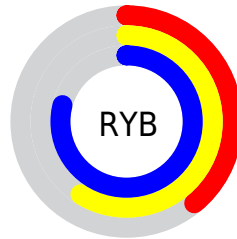
The XYZ color **36.3352, 48.5598, 60.8840** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.0944, 22.5126, 15.5401**, and the grayscale version is **38.3943, 40.3938, 43.9889**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **16.1609, 23.2384, 30.0192** is the 20% darker color. If you saturate the color by 10%, you get **34.3120, 47.5259, 60.4313**, and if you desaturate by 10%, it is **38.9100, 49.8803, 61.3660**.

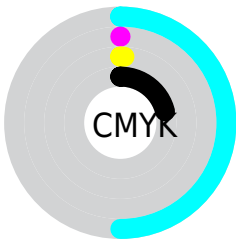
Distribution



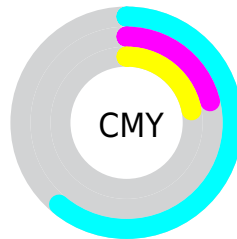
- Red (39%)
- Green (79%)
- Blue (78%)



- Red (39%)
- Yellow (59%)
- Blue (79%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)




- Cyan (61%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3352, 48.5598, 60.8840 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 36.3352, 48.5598, 60.8840 by changing the saturation by 10% instead.


 36.3352, 48.5598,
60.8840


 36.3352, 48.5598,
60.8840


321.8290,
381.0068, 445.7433


 24.8645, 34.2704,
43.7016


 68.8696, 88.0373,
107.6669


 16.1043, 23.1014,
30.1005


 90.6640, 113.9942,
138.1044

 9.6893, 14.6684,
19.6622


 116.6304,
144.6091, 173.7974

 5.2541, 8.5870,
11.9681

 147.1341,
180.2663, 215.1644

 2.4334, 4.4728,
6.5997

182.5404,
221.3503, 262.6240

 0.8618, 1.9414,
3.1384

223.2148,

 0.0000, 0.5731,

268.2455, 316.5946

1.1657

269.5226,
321.3361, 377.4949

■ 0.0000, 0.0000,
0.0000

■ 36.3352, 48.5598,
60.8840

■ 36.3352, 48.5598,
60.8840

■ 34.3120, 47.5259,
60.4313

■ 38.9100, 49.8803,
61.3660

■ 32.7949, 46.7517,
60.0027

■ 42.0688, 51.5007,
61.8758

■ 31.7386, 46.2151,
59.5971

■ 45.8470, 53.4404,
62.4159

■ 31.0875, 45.8873,
59.2118

■ 50.2755, 55.7153,
62.9879

■ 30.7410, 45.7163,
58.8509

■ 55.3835, 58.3405,
63.5931

■ 61.1982, 61.3299,
64.2328

■ 67.7454, 64.6970,
64.9082

■ 72.8808, 67.3362,
65.5190

■ 72.9520, 67.3647,
65.8942

Harmonies

Analogous

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



36.4106, 48.5598, 44.7473



36.3352, 48.5598, 60.8840



38.7351, 48.5598, 77.8194

Triad

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



36.3352, 48.5598, 60.8840



54.1965, 48.5598, 78.7180



49.2166, 48.5598, 28.0985

Complementary

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



36.3352, 48.5598, 60.8840



31.0944, 22.5126, 15.5401

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.



54.4658, 48.5598, 33.9249



36.3352, 48.5598, 60.8840



57.4983, 48.5598, 61.9281

Square

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



36.3352, 48.5598, 60.8840



48.8730, 48.5598, 89.4603



57.6007, 48.5598, 45.5981



43.5390, 48.5598, 27.9327

Rectangle

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



36.3352, 48.5598, 60.8840



41.5392, 48.5598, 86.3708



57.6007, 48.5598, 45.5981



51.0999, 48.5598, 29.3962

Sweetspot

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



36.3366, 48.5617, 60.8851



82.1685, 93.3804, 107.3445



28.8241, 45.6006, 19.3403



17.2460, 19.8119, 22.9316



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.



36.3366, 48.5617, 60.8851



58.5659, 81.2753, 103.4160



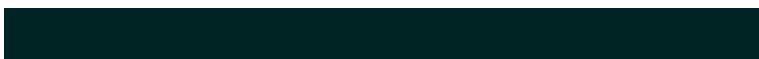
27.3333, 29.9953, 59.6094



10.9326, 12.0619, 13.5951



19.3344, 28.7461, 37.0352



0.9199, 1.3629, 1.7767

Inverse Universe

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



31.0944, 22.5126, 15.5401



48.6215, 31.8148, 17.3636



36.8438, 34.2483, 16.7264



10.6464, 10.6420, 11.1214



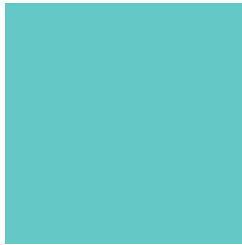
15.1718, 7.8183, 0.8487



0.7229, 0.3720, 0.0642

Previews

White Background



This preview shows how the XYZ color 36.3352, 48.5598, 60.8840 looks on a white background.

Color Contrast Check

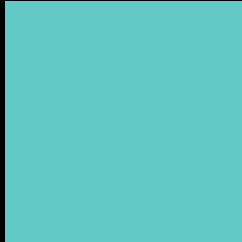
Large Text (above 18pt) WCAG AA × Fail

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 36.3352, 48.5598, 60.8840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

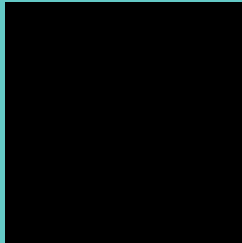
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

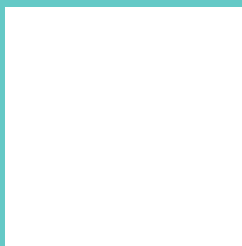
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3352, 48.5598, 60.8840

Background



This preview shows how black text looks on a background with the XYZ color 36.3352, 48.5598, 60.8840.

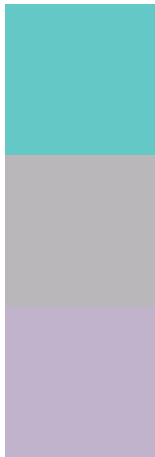


This preview shows how white text looks on a background with the XYZ color 36.3352, 48.5598,

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

36.3352, 48.5598, 60.8840

Protanopia

46.1528, 47.8939, 53.8256

Deuteranopia

48.8919, 47.8895, 63.1666



Tritanopia

38.4037, 48.3586, 71.6000

Trichromacy



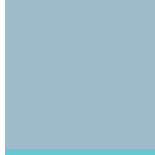
Original Color

36.3352, 48.5598, 60.8840



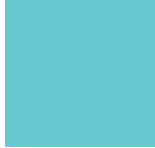
Protanomaly

41.3350, 47.5571, 56.2911



Deuteranomaly

42.6110, 47.1286, 62.1092



Tritanomaly

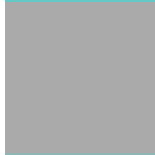
37.6410, 48.3934, 67.6786

Monochromacy



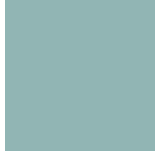
Original Color

36.3352, 48.5598, 60.8840



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.4391, 42.3628, 49.4363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3352, 48.5598, 60.8840 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(100, 201, 198)` looks like.

```
.text, #text, p{  
    color:rgb(100, 201, 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(100, 201, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 201, 198) }
```

Border

The CSS property to change the border of an element to XYZ 36.3352, 48.5598, 60.8840 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(100, 201, 198) }
```


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

```
.border{ border-color:rgb(100, 201, 198) }
```

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

Here you see how a box with a 4 pixel rgb(100, 201, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 201, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 201, 198);  
box-shadow:4px 4px 4px 4px rgb(100, 201,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3352, 48.5598, 60.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 201, 198) }
```

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

```
.background{ background-color: rgb(100,  
201, 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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