

Converting Colors

XYZ(36.4403, 47.1713, 64.6221)

Have a look what the booklet for
XYZ(36.4403, 47.1713, 64.6221)
contains.

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Color

**XYZ(36.3448, 47.1169,
64.3056)**

Conversions

Conversions Part 1

Format	Color
Hex	66C5CC
RGB	102, 197, 204
RGB Percent	40%, 77%, 80%
CMY	0.6000, 0.2274, 0.2000
CMYK	0.50, 0.03, 0.00, 0.20
HSL	184°, 50%, 60%
HSV	184°, 50%, 80%
XYZ	36.3448, 47.1169, 64.3056
YIQ	169.3930, -58.8670, -17.9630

Conversions

Conversions Part 2

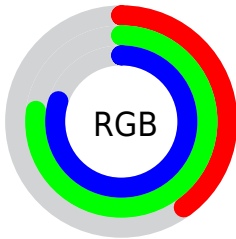
Format	Color
RYB	102, 151, 204
Decimal	6735308
CIELab	74.26, -26.16, -12.17
CIELCh	74, 28.850, 204.955
Yxy	47.1169, 0.2460, 0.3189
Android (android.graphics.Color)	4284925388 (0xFF66C5CC)
YUV	169.3930, 17.0613, -59.1037
Hunter-Lab	68.6418, -25.6099, -7.4954

Details

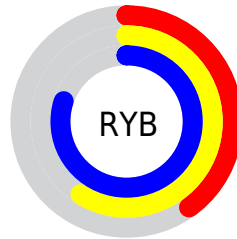
The XYZ color **36.3448, 47.1169, 64.3056** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.7696, 24.7348, 15.6187**, and the grayscale version is **37.8469, 39.8179, 43.3617**.

A 20% lighter version of the original color is **67.9890, 85.5772, 107.5424**, and **16.1268, 22.2590, 32.3006** is the 20% darker color. If you saturate the color by 10%, you get **33.9952, 45.4371, 64.1060**, and if you desaturate by 10%, it is **39.2690, 49.0995, 64.5350**.

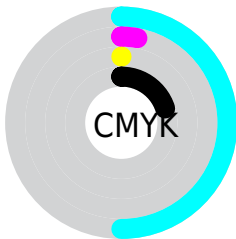
Distribution



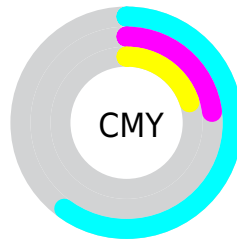
- Red (40%)
- Green (77%)
- Blue (80%)



- Red (40%)
- Yellow (59%)
- Blue (80%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (23%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3448, 47.1169, 64.3056 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 36.3448, 47.1169, 64.3056 by changing the saturation by 10% instead.

■ 36.3448, 47.1169,
64.3056

■ 36.3448, 47.1169,
64.3056

321.8701,
375.2810, 458.5301

■ 24.8720, 33.1281,
46.4505

■ 68.8843, 85.8881,
112.6546

■ 16.1099, 22.2246,
32.2502

■ 90.6817, 111.4393,
143.9856

■ 9.6933, 14.0220,
21.2863

■ 116.6513,
141.6133, 180.6456

■ 5.2568, 8.1360,
13.1402

■ 147.1585,
176.7947, 223.0532

■ 2.4350, 4.1821,
7.3933

182.5686,
217.3677, 271.6269

■ 0.8626, 1.7759,
3.6271

223.2470,

■ 0.0000, 0.4721,

263.7169, 326.7853

1.4231

269.5591,
316.2265, 388.9468

■ 0.0000, 0.0000,
0.1596

■ 0.0000, 0.0000,
0.0000

■ 36.3448, 47.1169,
64.3056

■ 36.3448, 47.1169,
64.3056

■ 33.9952, 45.4371,
64.1060

■ 39.2690, 49.0995,
64.5350

■ 32.1735, 44.0327,
63.9310


■ 42.8017, 51.3991,
64.7927


■ 30.8326, 42.8805,
63.7793


■ 46.9793, 54.0355,
65.0814


■ 29.9152, 41.9510,
63.6482


■ 51.8340, 57.0254,
65.4026


 29.3138, 41.1888,
63.5328


 57.3957, 60.3843,
65.7578

 29.3137, 41.1886,
63.5327

 63.6929, 64.1267,
66.1482

 70.7522, 68.2664,
66.5752

 74.7440, 70.8293,
66.8595

 75.0872, 71.5157,
66.9739

Harmonies

Analogous

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



35.5747, 47.1169, 48.8341



36.3448, 47.1169, 64.3056



39.3029, 47.1169, 78.3847

Triad

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



36.3448, 47.1169, 64.3056



53.4443, 47.1169, 69.4908



45.6649, 47.1169, 27.8072

Complementary

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



36.3448, 47.1169, 64.3056



32.7696, 24.7348, 15.6187

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.



50.7506, 47.1169, 31.3099



36.3448, 47.1169, 64.3056



55.4577, 47.1169, 53.8523

Square

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



36.3448, 47.1169, 64.3056



49.1191, 47.1169, 81.7602



54.4360, 47.1169, 40.1819



40.7102, 47.1169, 29.5392

Rectangle

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



36.3448, 47.1169, 64.3056



42.2467, 47.1169, 84.0818



54.4360, 47.1169, 40.1819



47.4192, 47.1169, 28.3878

Sweetspot

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



36.3462, 47.1187, 64.3067



81.5195, 91.7904, 108.0285



29.8230, 47.1113, 21.9344



17.0877, 19.4241, 23.0986



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.



36.3462, 47.1187, 64.3067



56.0316, 75.0490, 106.1405



26.6895, 27.8052, 61.0878



11.4748, 12.5901, 14.3957



18.4781, 25.9801, 39.9970



0.9735, 1.3808, 2.0701

Inverse Universe

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



39.7324, 26.3726, 55.8215



62.3969, 37.3250, 89.9044



39.8373, 38.8702, 17.9746



11.6530, 11.3899, 13.9735



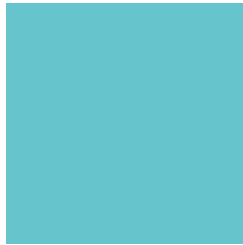
21.5378, 10.4257, 31.6143



1.1213, 0.5419, 1.6847

Previews

White Background



This preview shows how the XYZ color 36.3448, 47.1169, 64.3056 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 36.3448, 47.1169, 64.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

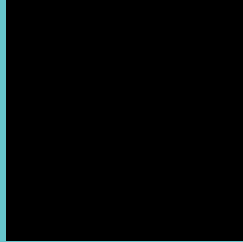
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3448, 47.1169, 64.3056

Background



This preview shows how black text looks on a background with the XYZ color 36.3448, 47.1169, 64.3056.

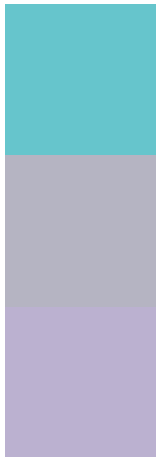


This preview shows how white text looks on a background with the XYZ color 36.3448, 47.1169,

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

36.3448, 47.1169, 64.3056

Protanopia

45.1149, 46.3613, 57.6098

Deuteranopia

47.6008, 46.5631, 66.1533



Tritanopia

37.4493, 47.2366, 69.4311

Trichromacy



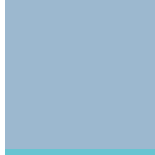
Original Color

36.3448, 47.1169, 64.3056



Protanomaly

40.7008, 45.8704, 60.1348



Deuteranomaly

42.1133, 45.8539, 65.6626



Tritanomaly

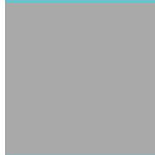
36.9575, 47.0264, 67.4507

Monochromacy



Original Color

36.3448, 47.1169, 64.3056



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.2407, 41.6373, 50.3827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3448, 47.1169, 64.3056 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(102, 197, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 197, 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(102, 197, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 197, 204) }
```

Border

The CSS property to change the border of an element to XYZ 36.3448, 47.1169, 64.3056 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(102, 197, 204) }
```


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

```
.border{ border-color:rgb(102, 197, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 197, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 197, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 197, 204); box-shadow:4px 4px 4px 4px rgb(102, 197, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3448, 47.1169, 64.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 197, 204) }
```

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

```
.background{ background-color: rgb(102,  
197, 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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