

Converting Colors

XYZ(35.7630, 46.6023, 59.3028)

Have a look what the booklet for
XYZ(35.7630, 46.6023, 59.3028)
contains.

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Color

**XYZ(35.7671, 46.5912,
59.3324)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6BC4C4 |
| RGB | 107, 196, 196 |
| RGB Percent | 42%, 77%, 77% |
| CMY | 0.5804, 0.2314, 0.2314 |
| CMYK | 0.45, 0.00, 0.00, 0.23 |
| HSL | 180°, 43%, 59% |
| HSV | 180°, 45%, 77% |
| XYZ | 35.7671, 46.5912, 59.3324 |
| YIQ | 169.3890, -53.0440, -18.8680 |

Conversions

Conversions Part 2

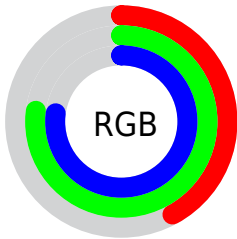
| Format | Color |
|-------------------------------------|---|
| RYB | 107, 152, 196 |
| Decimal | 7062724 |
| CIELab | 73.93, -26.64, -8.31 |
| CIElCh | 74, 27.903, 197.328 |
| Yxy | 46.5912, 0.2524, 0.3288 |
| Android (android.graphics.Color) | 4285252804 (0xFF6BC4C4) |
| YUV | 169.3890, 13.1192, -54.7152 |
| Hunter-Lab | 68.2577, -25.9170, -3.7568 |

Details

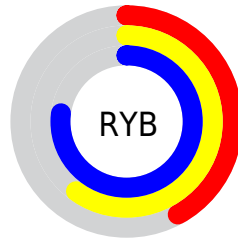
The XYZ color **35.7671, 46.5912, 59.3324** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.6780, 23.3140, 16.7946**, and the grayscale version is **37.8617, 39.8335, 43.3786**.

A 20% lighter version of the original color is **68.1647, 85.2349, 105.7878**, and **15.7744, 21.9274, 28.9922** is the 20% darker color. If you saturate the color by 10%, you get **33.6728, 45.5127, 59.2351**, and if you desaturate by 10%, it is **38.3982, 47.9487, 59.4568**.

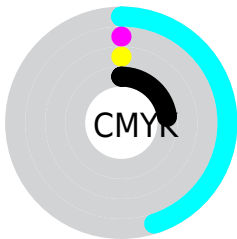
Distribution



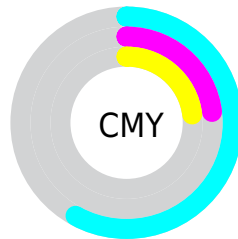
- Red (42%)
- Green (77%)
- Blue (77%)



- Red (42%)
- Yellow (60%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (58%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7671, 46.5912, 59.3324 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 35.7671, 46.5912, 59.3324 by changing the saturation by 10% instead.

■ 35.7671, 46.5912,
59.3324

■ 35.7671, 46.5912,
59.3324

319.3905,
373.1804, 439.8688

■ 24.4237, 32.7126,
42.4590

■ 67.9987, 85.1031,
105.3945

■ 15.7746, 21.9064,
29.1326

■ 89.6175, 110.5052,
135.4202

■ 9.4546, 13.7881,
18.9347

■ 115.3922,
140.5172, 170.6672

■ 5.0984, 7.9734,
11.4468

■ 145.6880,
175.5236, 211.5539

■ 2.3404, 4.0780,
6.2503

180.8704,
215.9087, 258.4988

■ 0.8152, 1.7173,
2.9266

221.3047,

■ 0.0000, 0.4348,

262.0569, 311.9206

1.0573

267.3563,
314.3527, 372.2377

■ 0.0000, 0.0000,
0.0000

■ 35.7671, 46.5912,
59.3324

■ 35.7671, 46.5912,
59.3324

■ 33.6728, 45.5127,
59.2351

■ 38.3982, 47.9487,
59.4568

■ 32.0747, 44.6888,
59.1601

■ 41.5952, 49.5968,
59.6067

■ 30.9330, 44.1002,
59.1063

■ 45.3898, 51.5529,
59.7846

■ 30.2000, 43.7224,
59.0718

■ 49.8103, 53.8318,
59.9918

■ 29.8171, 43.5250,
59.0536

■ 54.8832, 56.4470,
60.2294

■ 29.7044, 43.4669,
59.0482

■ 60.6335, 59.4114,
60.4988

■ 67.0848, 62.7371,
60.8010

■ 70.9451, 64.7272,
60.9820

■ 70.9451, 64.7272,
60.9823

Harmonies

Analogous

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



35.5930, 46.5912, 44.9555



35.7671, 46.5912, 59.3324



38.1125, 46.5912, 73.6496

Triad

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



35.7671, 46.5912, 59.3324



51.6937, 46.5912, 71.6509



46.4148, 46.5912, 28.4253

Complementary

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



35.7671, 46.5912, 59.3324



30.6780, 23.3140, 16.7946

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.



51.0871, 46.5912, 33.1394



35.7671, 46.5912, 59.3324



54.2847, 46.5912, 56.9787

Square

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



35.7671, 46.5912, 59.3324



47.1934, 46.5912, 81.6250



54.0547, 46.5912, 43.0019



41.4958, 46.5912, 28.8185

Rectangle

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



35.7671, 46.5912, 59.3324



40.6985, 46.5912, 80.4315



54.0547, 46.5912, 43.0019



48.0731, 46.5912, 29.4218

Sweetspot

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



35.7685, 46.5930, 59.3335



83.1136, 93.8466, 108.3407



28.6385, 43.7618, 20.8483



17.4406, 19.9070, 23.1730



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.



35.7685, 46.5930, 59.3335



61.1860, 82.5425, 107.3124



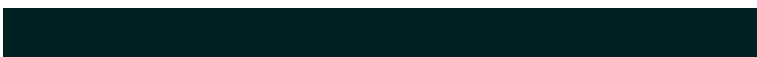
27.4171, 29.8898, 56.5509



10.3686, 11.4285, 12.9442



19.0856, 27.9283, 37.9396



0.8246, 1.2067, 1.6393

Inverse Universe

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



30.6780, 23.3140, 16.7946



50.8651, 35.3441, 21.0645



36.3294, 34.6170, 18.6778



10.0732, 10.0779, 10.4762



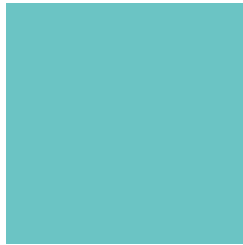
14.6275, 7.5408, 0.6847



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 35.7671, 46.5912, 59.3324 looks on a white background.

Color Contrast Check

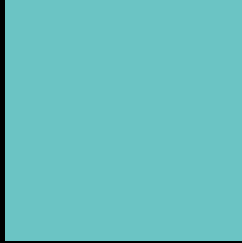
Large Text (above 18pt) WCAG AA × Fail

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 35.7671, 46.5912, 59.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

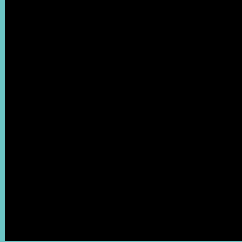
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7671, 46.5912, 59.3324

Background



This preview shows how black text looks on a background with the XYZ color 35.7671, 46.5912, 59.3324.

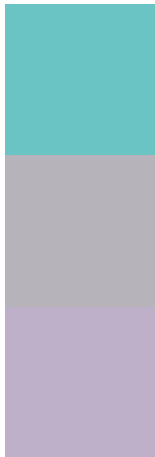


This preview shows how white text looks on a background with the XYZ color 35.7671, 46.5912,

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

35.7671, 46.5912, 59.3324

Protanopia

44.4756, 46.1328, 53.0148

Deuteranopia

46.9369, 46.0396, 61.0563



Tritanopia

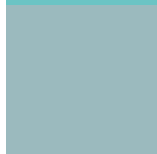
37.4802, 46.6162, 67.9952

Trichromacy



Original Color

35.7671, 46.5912, 59.3324



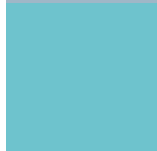
Protanomaly

40.3707, 45.8041, 55.4285



Deuteranomaly

41.5404, 45.3614, 60.5990



Tritanomaly

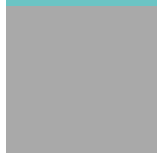
36.9650, 46.7530, 64.8336

Monochromacy



Original Color

35.7671, 46.5912, 59.3324



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.1108, 41.6059, 48.7753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7671, 46.5912, 59.3324 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(107, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(107, 196, 196)  
}
```

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(107, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 35.7671, 46.5912, 59.3324 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(107, 196, 196) }
```


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

```
.border{ border-color:rgb(107, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 196, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 196, 196); box-shadow:4px 4px 4px 4px rgb(107, 196, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7671, 46.5912, 59.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 196, 196) }
```

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

```
.background{ background-color: rgb(107,  
196, 196) }
```

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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