

Converting Colors

XYZ(35.4712, 46.6104, 66.8017)

Have a look what the booklet for
XYZ(35.4712, 46.6104, 66.8017)
contains.

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Color

**XYZ(35.4712, 46.6104,
66.8017)**

Conversions

Conversions Part 1

Format	Color
Hex	59C5D0
RGB	89, 197, 208
RGB Percent	35%, 77%, 82%
CMY	0.6510, 0.2274, 0.1843
CMYK	0.57, 0.05, 0.00, 0.18
HSL	186°, 56%, 58%
HSV	186°, 57%, 82%
XYZ	35.4712, 46.6104, 66.8017
YIQ	165.9620, -67.8990, -19.4750

Conversions

Conversions Part 2

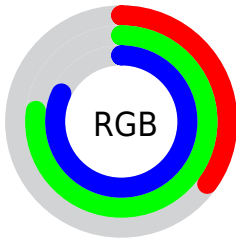
Format	Color
R _Y B	89, 146, 208
Decimal	5883344
CIE Lab	73.94, -27.69, -14.88
CIE LCh	74, 31.431, 208.246
Yxy	46.6104, 0.2382, 0.3131
Android (android.graphics.Color)	4284073424 (0xFF59C5D0)
YUV	165.9620, 20.7247, -67.4957
Hunter-Lab	68.2718, -26.7345, -10.2230

Details

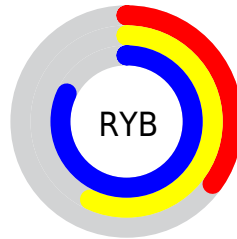
The XYZ color **35.4712, 46.6104, 66.8017** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.3737, 23.2465, 12.2331**, and the grayscale version is **36.1550, 38.0379, 41.4233**.

A 20% lighter version of the original color is **65.8862, 84.4932, 107.4440**, and **15.6552, 21.9780, 33.9889** is the 20% darker color. If you saturate the color by 10%, you get **33.3168, 44.8568, 66.5776**, and if you desaturate by 10%, it is **38.1979, 48.6693, 67.0562**.

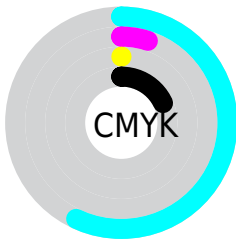
Distribution



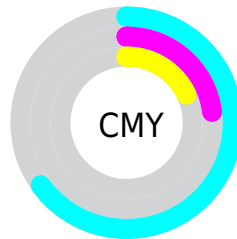
- Red (35%)
- Green (77%)
- Blue (82%)



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



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (65%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4712, 46.6104, 66.8017 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 35.4712, 46.6104, 66.8017 by changing the saturation by 10% instead.

■ 35.4712, 46.6104,
66.8017

■ 35.4712, 46.6104,
66.8017

318.1150,
373.2573, 467.7209

■ 24.1943, 32.7278,
48.4629

■ 67.5443, 85.1318,
116.2742

■ 15.6033, 21.9180,
33.8310

■ 89.0712, 110.5393,
148.2449

■ 9.3330, 13.7966,
22.4875

■ 114.7455,
140.5573, 185.5968

■ 5.0178, 7.9794,
14.0138

■ 144.9325,
175.5701, 228.7482

■ 2.2926, 4.0817,
7.9914

179.9976,
215.9620, 278.1178

■ 0.7909, 1.7194,
4.0018

220.3062,

■ 0.0000, 0.4362,

262.1177, 334.1241

1.6263

266.2235,
314.4213, 397.1856

■ 0.0000, 0.0000,
0.3095

■ 0.0000, 0.0000,
0.0000

■ 35.4712, 46.6104,
66.8017

■ 35.4712, 46.6104,
66.8017

■ 33.3168, 44.8568,
66.5776

■ 38.1979, 48.6693,
67.0562

■ 31.6813, 43.3781,
66.3784

■ 41.5357, 51.0505,
67.3399

■ 30.5092, 42.1463,
66.2024

■ 45.5251, 53.7759,
67.6557

■ 29.7231, 41.1217,
66.0461

■ 50.2018, 56.8640,
68.0053

■ 29.5349, 40.8534,
66.0042

■ 55.5990, 60.3319,
68.3902

■ 61.7476, 64.1956,
68.8119

■ 68.6769, 68.4702,
69.2718

■ 76.2646, 73.0927,
69.7641

■ 76.7492, 74.0619,
69.9256

Harmonies

Analogous

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



34.3805, 46.6104, 49.8122



35.4712, 46.6104, 66.8017



38.8695, 46.6104, 81.7745

Triad

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



35.4712, 46.6104, 66.8017



54.1106, 46.6104, 68.7857



44.6324, 46.6104, 25.7321

Complementary

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



35.4712, 46.6104, 66.8017



32.3737, 23.2465, 12.2331

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.



50.2180, 46.6104, 28.7725



35.4712, 46.6104, 66.8017



55.9687, 46.6104, 51.7011

Square

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



35.4712, 46.6104, 66.8017



49.5996, 46.6104, 83.0794



54.4883, 46.6104, 37.5019



39.3953, 46.6104, 28.1305

Rectangle

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



35.4712, 46.6104, 66.8017



42.1428, 46.6104, 87.3563



54.4883, 46.6104, 37.5019



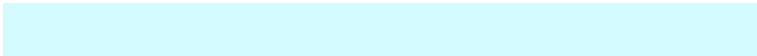
46.5333, 46.6104, 26.1365

Sweetspot

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



35.4726, 46.6122, 66.8028



79.5957, 90.1553, 107.8143



28.9249, 48.1359, 19.5514



16.6947, 19.0737, 23.0516



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.



35.4726, 46.6122, 66.8028



52.0684, 70.4640, 105.4644



24.6786, 25.0241, 63.2048



12.0611, 13.2124, 15.1582



18.4454, 25.5374, 41.1495



1.0592, 1.4836, 2.3101

Inverse Universe

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



39.6640, 24.5871, 55.4805



59.5809, 33.0757, 84.7024



40.1148, 38.7286, 14.8135



12.2617, 11.9894, 14.6540



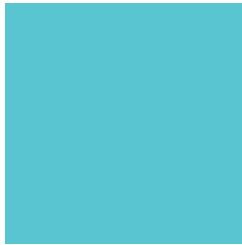
21.9411, 10.6493, 30.9257



1.2409, 0.6011, 1.8033

Previews

White Background



This preview shows how the XYZ color 35.4712, 46.6104, 66.8017 looks on a white background.

Color Contrast Check

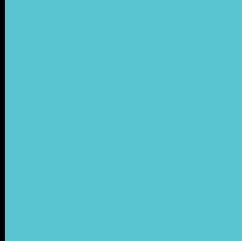
Large Text (above 18pt) WCAG AA × Fail

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 35.4712, 46.6104, 66.8017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

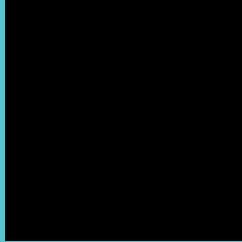
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4712, 46.6104, 66.8017

Background



This preview shows how black text looks on a background with the XYZ color 35.4712, 46.6104, 66.8017.



This preview shows how white text looks on a background with the XYZ color 35.4712, 46.6104,

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

35.4712, 46.6104, 66.8017

Protanopia

44.7885, 45.8551, 59.3136

Deuteranopia

47.0640, 45.9220, 69.3341



Tritanopia

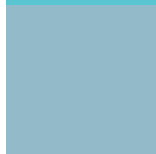
35.9380, 46.4575, 69.3604

Trichromacy



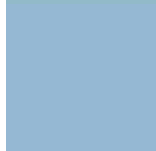
Original Color

35.4712, 46.6104, 66.8017



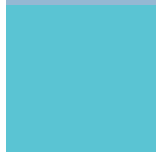
Protanomaly

39.9556, 45.4458, 61.9244



Deuteranomaly

41.2928, 45.3737, 68.2097



Tritanomaly

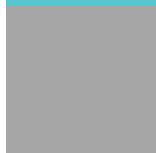
35.7142, 46.3567, 68.6934

Monochromacy



Original Color

35.4712, 46.6104, 66.8017



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.5439, 40.1838, 49.6516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4712, 46.6104, 66.8017 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(89, 197, 208)` looks like.

```
.text, #text, p{  
    color:rgb(89, 197, 208)  
}
```

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(89, 197, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 197, 208) }
```

Border

The CSS property to change the border of an element to XYZ 35.4712, 46.6104, 66.8017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

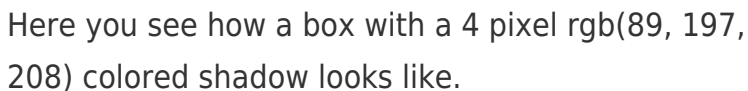
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 197, 208) }
```


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

```
.border{ border-color:rgb(89, 197, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(89, 197, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 197, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 197, 208);  
box-shadow:4px 4px 4px 4px rgb(89, 197,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4712, 46.6104, 66.8017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 197, 208) }
```

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

```
.background{ background-color: rgb(89, 197,  
208) }
```

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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