

Converting Colors

XYZ(34.4649, 46.5369, 60.7975)

Have a look what the booklet for
XYZ(34.4649, 46.5369, 60.7975)
contains.

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Color

**XYZ(34.4116, 46.5401,
60.5955)**

Conversions

Conversions Part 1

Format	Color
Hex	58C6C6
RGB	88, 198, 198
RGB Percent	35%, 78%, 78%
CMY	0.6549, 0.2235, 0.2235
CMYK	0.56, 0.00, 0.00, 0.22
HSL	180°, 49%, 56%
HSV	180°, 56%, 78%
XYZ	34.4116, 46.5401, 60.5955
YIQ	165.1100, -65.5600, -23.3200

Conversions

Conversions Part 2

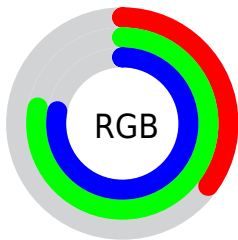
Format	Color
RYB	88, 143, 198
Decimal	5818054
CIELab	73.89, -31.11, -9.52
CIElCh	74, 32.538, 197.010
Yxy	46.5401, 0.2431, 0.3288
Android (android.graphics.Color)	4284008134 (0xFF58C6C6)
YUV	165.1100, 16.2148, -67.6255
Hunter-Lab	68.2203, -29.3468, -4.9091

Details

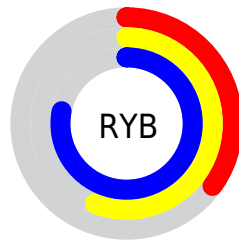
The XYZ color **34.4116, 46.5401, 60.5955** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.5414, 19.6912, 11.5305**, and the grayscale version is **35.7654, 37.6280, 40.9769**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **15.0198, 21.9666, 29.8339** is the 20% darker color. If you saturate the color by 10%, you get **32.7862, 45.7032, 60.5203**, and if you desaturate by 10%, it is **36.5487, 47.6429, 60.6968**.

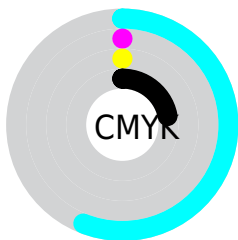
Distribution



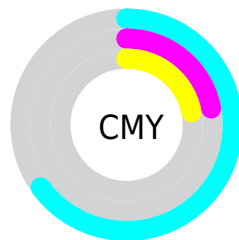
- Red (35%)
- Green (78%)
- Blue (78%)



- Red (35%)
- Yellow (56%)
- Blue (78%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4116, 46.5401, 60.5955 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 34.4116, 46.5401, 60.5955 by changing the saturation by 10% instead.

■ 34.4116, 46.5401,
60.5955

■ 34.4116, 46.5401,
60.5955

313.5172,
372.9758, 444.6547

■ 23.3744, 32.6722,
43.4704

■ 65.9133, 85.0267,
107.2448

■ 14.9924, 21.8755,
29.9202

■ 87.1084, 110.4143,
137.6061

■ 8.9003, 13.7654,
19.5265

■ 112.4203,
140.4105, 173.2166

■ 4.7328, 7.9577,
11.8707

■ 142.2142,
175.3998, 214.4947

■ 2.1245, 4.0679,
6.5342

176.8554,
215.7666, 261.8590

■ 0.7025, 1.7116,
3.0986

216.7095,

■ 0.0000, 0.4312,

261.8953, 315.7281

1.1452

262.1416,
314.1702, 376.5205

■ 0.0000, 0.0000,
0.0000

■ 34.4116, 46.5401,
60.5955

■ 34.4116, 46.5401,
60.5955

■ 32.7862, 45.7032,
60.5203

■ 36.5487, 47.6429,
60.6968

■ 31.6260, 45.1052,
60.4658

■ 39.2310, 49.0256,
60.8225

■ 30.8835, 44.7224,
60.4308

■ 42.4937, 50.7076,
60.9754

■ 30.4981, 44.5237,
60.4125

■ 46.3681, 52.7050,
61.1569

■ 30.3878, 44.4669,
60.4073

■ 50.8834, 55.0326,
61.3685

■ 56.0665, 57.7046,
61.6112

■ 61.9431, 60.7341,
61.8865

■ 68.5375, 64.1337,
62.1953

■ 71.6284, 65.7271,
62.3402

Harmonies

Analogous

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



34.2408, 46.5401, 43.8336



34.4116, 46.5401, 60.5955



37.0632, 46.5401, 77.7871

Triad

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



34.4116, 46.5401, 60.5955



52.8971, 46.5401, 75.6997



46.7875, 46.5401, 25.5041

Complementary

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



34.4116, 46.5401, 60.5955



28.5414, 19.6912, 11.5305

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.



52.2769, 46.5401, 30.7310



34.4116, 46.5401, 60.5955



56.0061, 46.5401, 58.1920

Square

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



34.4116, 46.5401, 60.5955



47.5756, 46.5401, 87.7292



55.7697, 46.5401, 41.8997



41.0545, 46.5401, 25.8724

Rectangle

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



34.4116, 46.5401, 60.5955



40.0238, 46.5401, 86.0975



55.7697, 46.5401, 41.8997



48.7317, 46.5401, 26.6067

Sweetspot

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



34.4130, 46.5419, 60.5966



80.8605, 92.6850, 108.2353



26.1572, 43.2599, 16.2050



16.9970, 19.6784, 23.1523



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.



34.4130, 46.5419, 60.5966



57.4791, 80.6316, 107.1392



24.3190, 26.3535, 57.2330



10.9468, 12.0676, 13.6698



19.7613, 28.9169, 39.2830



0.9357, 1.3692, 1.8601

Inverse Universe

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



28.5414, 19.6912, 11.5305



46.0282, 28.2665, 11.4490



34.6013, 31.8110, 13.5501



10.6339, 10.6370, 11.0555



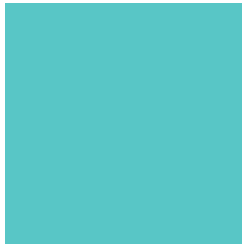
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 34.4116, 46.5401, 60.5955 looks on a white background.

Color Contrast Check

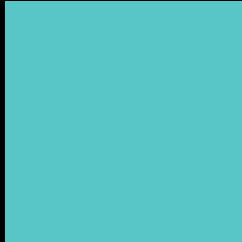
Large Text (above 18pt) WCAG AA × Fail

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 34.4116, 46.5401, 60.5955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

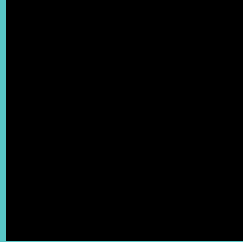
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.4116, 46.5401, 60.5955

Background



This preview shows how black text looks on a background with the XYZ color 34.4116, 46.5401, 60.5955.

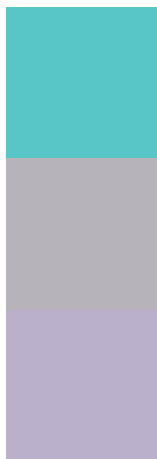


This preview shows how white text looks on a background with the XYZ color 34.4116, 46.5401,

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

34.4116, 46.5401, 60.5955

Protanopia

44.3811, 45.7731, 53.5097

Deuteranopia

46.7983, 45.9273, 62.8982



Tritanopia

36.1378, 46.5605, 69.3698

Trichromacy



Original Color

34.4116, 46.5401, 60.5955



Protanomaly

39.1756, 45.1753, 55.9451



Deuteranomaly

40.4456, 45.0773, 61.8274



Tritanomaly

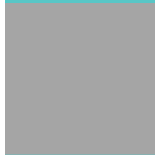
35.5431, 46.6616, 66.1648

Monochromacy



Original Color

34.4116, 46.5401, 60.5955



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.9745, 39.9370, 47.5129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4116, 46.5401, 60.5955 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, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(88, 198, 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(88, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 198, 198) }
```

Border

The CSS property to change the border of an element to XYZ 34.4116, 46.5401, 60.5955 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, 198, 198) }
```


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

```
.border{ border-color:rgb(88, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(88, 198,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4116, 46.5401, 60.5955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 198, 198) }
```

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

```
.background{ background-color: rgb(88, 198,  
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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