

Converting Colors

XYZ(34.4889, 46.5828, 60.5952)

Have a look what the booklet for
XYZ(34.4889, 46.5828, 60.5952)
contains.

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Color

**XYZ(34.5069, 46.5892,
60.6000)**

Conversions

Conversions Part 1

Format	Color
Hex	59C6C6
RGB	89, 198, 198
RGB Percent	35%, 78%, 78%
CMY	0.6510, 0.2235, 0.2235
CMYK	0.55, 0.00, 0.00, 0.22
HSL	180°, 49%, 56%
HSV	180°, 55%, 78%
XYZ	34.5069, 46.5892, 60.6000
YIQ	165.4090, -64.9640, -23.1080

Conversions

Conversions Part 2

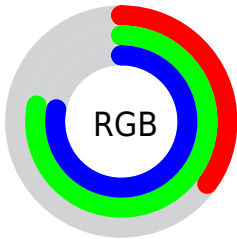
Format	Color
R_{YB}	89, 144, 198
Decimal	5883590
CIE _{Lab}	73.93, -30.92, -9.47
CIE _{LCh}	74, 32.339, 197.024
Yxy	46.5892, 0.2435, 0.3288
Android (android.graphics.Color)	4284073670 (0xFF59C6C6)
YUV	165.4090, 16.0674, -67.0107
Hunter-Lab	68.2563, -29.2080, -4.8601

Details

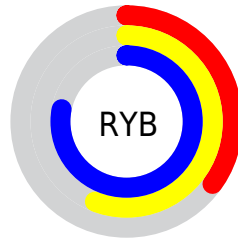
The XYZ color **34.5069, 46.5892, 60.6000** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.6658, 19.8731, 11.7777**, and the grayscale version is **35.9094, 37.7795, 41.1418**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **15.0824, 21.9989, 29.8368** is the 20% darker color. If you saturate the color by 10%, you get **32.8567, 45.7396, 60.5236**, and if you desaturate by 10%, it is **36.6708, 47.7058, 60.7025**.

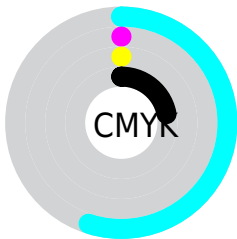
Distribution



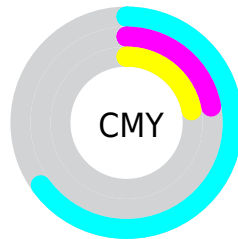
- Red (35%)
- Green (78%)
- Blue (78%)



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



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5069, 46.5892, 60.6000 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 34.5069, 46.5892, 60.6000 by changing the saturation by 10% instead.


 34.5069, 46.5892,
60.6000


 34.5069, 46.5892,
60.6000


313.9327,
373.1724, 444.6717


 23.4480, 32.7110,
43.4740

 66.0602, 85.1001,
107.2514


 15.0472, 21.9052,
29.9230


 87.2854, 110.5016,
137.6139

 8.9390, 13.7872,
19.5286


 112.6300,
140.5130, 173.2256

 4.7582, 7.9728,
11.8722

 142.4595,
175.5187, 214.5051

 2.1394, 4.0776,
6.5352

177.1391,
215.9031, 261.8710

 0.7105, 1.7170,
3.0992

217.0343,

 0.0000, 0.4347,

262.0506, 315.7416

1.1455

262.5104,
314.3456, 376.5357

■ 0.0000, 0.0000,
0.0000

■ 34.5069, 46.5892,
60.6000

■ 34.5069, 46.5892,
60.6000

■ 32.8567, 45.7396,
60.5236

■ 36.6708, 47.7058,
60.7025

■ 31.6741, 45.1299,
60.4681

■ 39.3815, 49.1032,
60.8296

■ 30.9118, 44.7370,
60.4322

■ 42.6744, 50.8008,
60.9839

■ 30.5106, 44.5301,
60.4132

■ 46.5805, 52.8144,
61.1669

■ 30.3878, 44.4668,
60.4074

■ 51.1288, 55.1592,
61.3799

■ 56.3463, 57.8489,
61.6243

■ 62.2586, 60.8968,
61.9012

■ 68.8899, 64.3153,
62.2117

■ 71.6284, 65.7270,
62.3401

Harmonies

Analogous

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



34.3356, 46.5892, 43.9290



34.5069, 46.5892, 60.6000



37.1478, 46.5892, 77.6757

Triad

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



34.5069, 46.5892, 60.6000



52.8957, 46.5892, 75.5882



46.8172, 46.5892, 25.6573

Complementary

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



34.5069, 46.5892, 60.6000



28.6658, 19.8731, 11.7777

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.



52.2749, 46.5892, 30.8678



34.5069, 46.5892, 60.6000



55.9838, 46.5892, 58.1940

Square

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



34.5069, 46.5892, 60.6000



47.6065, 46.5892, 87.5342



55.7472, 46.5892, 41.9904



41.1153, 46.5892, 26.0275

Rectangle

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



34.5069, 46.5892, 60.6000



40.0947, 46.5892, 85.9225



55.7472, 46.5892, 41.9904



48.7504, 46.5892, 26.7566

Sweetspot

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



34.5083, 46.5910, 60.6011



80.8605, 92.6850, 108.2353



26.2950, 43.3261, 16.4291



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.



34.5083, 46.5910, 60.6011



57.7121, 80.7516, 107.1503



24.4882, 26.5504, 57.2621



10.9468, 12.0676, 13.6698



19.7613, 28.9169, 39.2831



0.9357, 1.3692, 1.8601

Inverse Universe

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



28.6658, 19.8731, 11.7777



46.3321, 28.7112, 12.0531



34.7195, 31.9806, 13.7952



10.6339, 10.6370, 11.0555



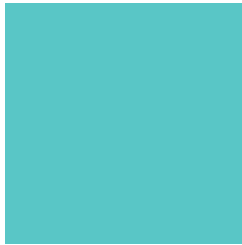
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 34.5069, 46.5892, 60.6000 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 34.5069, 46.5892, 60.6000 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

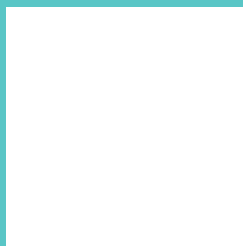
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5069, 46.5892, 60.6000

Background



This preview shows how black text looks on a background with the XYZ color 34.5069, 46.5892, 60.6000.



This preview shows how white text looks on a background with the XYZ color 34.5069, 46.5892,

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

34.5069, 46.5892, 60.6000

Protanopia

44.3811, 45.7731, 53.5097

Deuteranopia

47.0439, 46.0538, 62.9097



Tritanopia

36.2397, 46.6130, 69.3745

Trichromacy



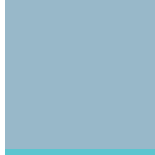
Original Color

34.5069, 46.5892, 60.6000



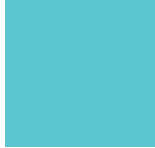
Protanomaly

39.1756, 45.1753, 55.9451



Deuteranomaly

40.6320, 45.1734, 61.8361



Tritanomaly

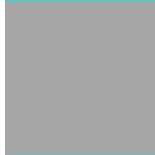
35.6424, 46.7128, 66.1694

Monochromacy



Original Color

34.5069, 46.5892, 60.6000



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 34.5069, 46.5892, 60.6000 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, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(89, 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(89, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 198, 198) }
```

Border

The CSS property to change the border of an element to XYZ 34.5069, 46.5892, 60.6000 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, 198, 198) }
```


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

```
.border{ border-color:rgb(89, 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(89, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(89, 198,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5069, 46.5892, 60.6000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 198, 198) }
```

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

```
.background{ background-color: rgb(89, 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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