

Converting Colors

XYZ(33.3462, 44.6083, 58.7268)

Have a look what the booklet for
XYZ(33.3462, 44.6083, 58.7268)
contains.

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Color

**XYZ(33.3586, 44.6974,
58.4990)**

Conversions

Conversions Part 1

Format	Color
Hex	5AC2C3
RGB	90, 194, 195
RGB Percent	35%, 76%, 76%
CMY	0.6470, 0.2392, 0.2353
CMYK	0.54, 0.01, 0.00, 0.24
HSL	181°, 47%, 56%
HSV	181°, 54%, 76%
XYZ	33.3586, 44.6974, 58.4990
YIQ	163.0180, -62.3050, -21.7370

Conversions

Conversions Part 2

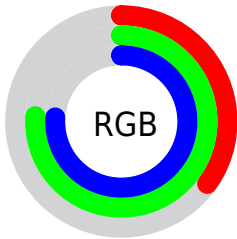
Format	Color
RYB	90, 142, 195
Decimal	5948099
CIELab	72.69, -29.60, -9.67
CIElCh	73, 31.144, 198.093
Yxy	44.6974, 0.2443, 0.3273
Android (android.graphics.Color)	4284138179 (0xFF5AC2C3)
YUV	163.0180, 15.7671, -64.0368
Hunter-Lab	66.8561, -27.9336, -5.0794

Details

The XYZ color **33.3586, 44.6974, 58.4990** 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 **28.0931, 19.8233, 12.0197**, and the grayscale version is **34.7716, 36.5824, 39.8382**.

A 20% lighter version of the original color is **64.4623, 82.4122, 104.6051**, and **14.3669, 20.7726, 28.4516** is the 20% darker color. If you saturate the color by 10%, you get **31.6641, 43.7637, 58.4089**, and if you desaturate by 10%, it is **35.5533, 45.8911, 58.6145**.

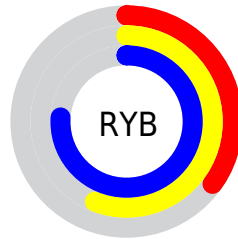
Distribution



Red (35%)

Green (76%)

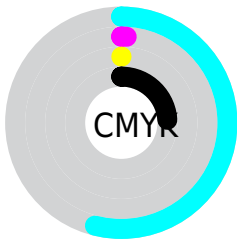
Blue (76%)



Red (35%)

Yellow (56%)

Blue (76%)

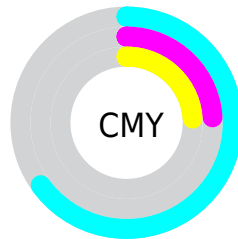


Cyan (54%)

Magenta (1%)

Yellow (0%)

Black (24%)



Cyan (65%)


Magenta (24%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3586, 44.6974, 58.4990 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 33.3586, 44.6974, 58.4990 by changing the saturation by 10% instead.


 33.3586, 44.6974,
58.4990


 33.3586, 44.6974,
58.4990


308.8990,
365.5466, 436.6928


 22.5618, 31.2191,
41.7926


 64.2859, 82.2661,
104.1711


 14.3892, 20.7658,
28.6146


 85.1472, 107.1254,
133.9739

 8.4754, 12.9529,
18.5464


 110.0941,
136.5472, 168.9792

 4.4550, 7.3961,
11.1695

 139.4918,
170.9158, 209.6056

 1.9626, 3.7110,
6.0653

173.7058,
210.6156, 256.2716

 0.6128, 1.5133,
2.8154

213.1015,

 0.0000, 0.2980,

256.0311, 309.3958

1.0012

258.0441,
307.5467, 369.3967

■ 0.0000, 0.0000,
0.0000

■ 33.3586, 44.6974,
58.4990

■ 33.3586, 44.6974,
58.4990

■ 31.6641, 43.7637,
58.4089

■ 35.5533, 45.8911,
58.6145

■ 30.4261, 43.0643,
58.3391

■ 38.2797, 47.3580,
58.7540

■ 29.5998, 42.5773,
58.2887

■ 41.5714, 49.1164,
58.9199

■ 29.1300, 42.2741,
58.2549

■ 45.4581, 51.1815,
59.1136

■ 28.9531, 42.1454,
58.2394

■ 49.9674, 53.5678,
59.3366

■ 55.1253, 56.2884,
59.5899

■ 60.9561, 59.3560,
59.8746

■ 67.4830, 62.7826,
60.1920

■ 70.7564, 64.5320,
60.3572

Harmonies

Analogous

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



33.1124, 44.6974, 42.7868



33.3586, 44.6974, 58.4990



35.9191, 44.6974, 74.3219

Triad

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



33.3586, 44.6974, 58.4990



50.6887, 44.6974, 71.3534



44.6620, 44.6974, 24.9851

Complementary

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



33.3586, 44.6974, 58.4990



28.0931, 19.8233, 12.0197

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.



49.8027, 44.6974, 29.7225



33.3586, 44.6974, 58.4990



53.4744, 44.6974, 55.0645

Square

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



33.3586, 44.6974, 58.4990



45.7903, 44.6974, 82.7585



53.1370, 44.6974, 40.0049



39.3399, 44.6974, 25.5213

Rectangle

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



33.3586, 44.6974, 58.4990



38.7262, 44.6974, 81.7979



53.1370, 44.6974, 40.0049



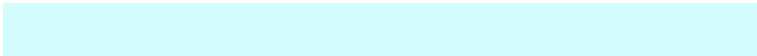
46.4763, 44.6974, 25.9640

Sweetspot

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



33.3599, 44.6991, 58.5001



79.6414, 90.7248, 105.7839



25.5781, 41.9430, 16.4218



17.1128, 19.6937, 23.1493



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.



33.3599, 44.6991, 58.5001



56.1634, 78.0748, 104.5796



23.8155, 25.6102, 55.3186



10.3601, 11.4115, 12.9414



18.8215, 27.3994, 37.8532



0.8159, 1.1892, 1.6364

Inverse Universe

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



35.9006, 22.8107, 53.5516



61.2225, 34.7760, 94.6617



34.0998, 31.8367, 14.0219



10.4931, 10.2458, 12.6870



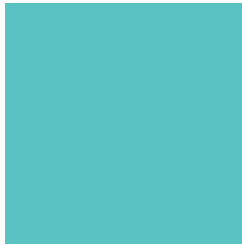
20.8962, 10.0482, 33.6950



0.9042, 0.4347, 1.4630

Previews

White Background



This preview shows how the XYZ color 33.3586, 44.6974, 58.4990 looks on a white background.

Color Contrast Check

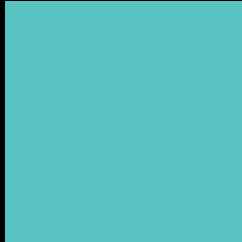
Large Text (above 18pt) WCAG AA × Fail

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 33.3586, 44.6974, 58.4990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

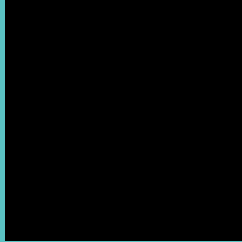
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3586, 44.6974, 58.4990

Background



This preview shows how black text looks on a background with the XYZ color 33.3586, 44.6974, 58.4990.

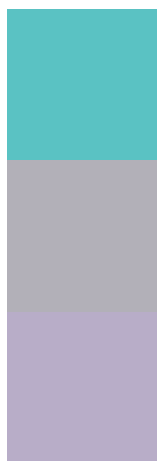


This preview shows how white text looks on a background with the XYZ color 33.3586, 44.6974,

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

33.3586, 44.6974, 58.4990

Protanopia

42.5372, 43.9763, 51.5937

Deuteranopia

45.1361, 44.2476, 60.8053



Tritanopia

34.9541, 44.6862, 66.4575

Trichromacy



Original Color

33.3586, 44.6974, 58.4990

Protanomaly

37.8646, 43.6088, 53.9986

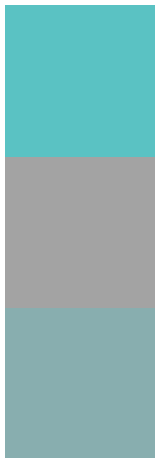
Deuteranomaly

39.2946, 43.6090, 59.7724

Tritanomaly

34.3637, 44.7789, 63.3319

Monochromacy



Original Color

33.3586, 44.6974, 58.4990

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.0273, 38.6015, 46.2676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3586, 44.6974, 58.4990 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(90, 194, 195)` looks like.

```
.text, #text, p{  
    color:rgb(90, 194, 195)  
}
```

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(90, 194, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 194, 195) }
```

Border

The CSS property to change the border of an element to XYZ 33.3586, 44.6974, 58.4990 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(90, 194, 195) }
```


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

```
.border{ border-color:rgb(90, 194, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 194, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 194, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 194, 195);  
box-shadow:4px 4px 4px 4px rgb(90, 194,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3586, 44.6974, 58.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 194, 195) }
```

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

```
.background{ background-color: rgb(90, 194,  
195) }
```

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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