

Converting Colors

XYZ(29.9356, 44.7059, 38.5983)

Have a look what the booklet for
XYZ(29.9356, 44.7059, 38.5983)
contains.

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Color

**XYZ(29.9411, 44.7198,
38.5062)**

Conversions

Conversions Part 1

Format	Color
Hex	55C69C
RGB	85, 198, 156
RGB Percent	33%, 78%, 61%
CMY	0.6667, 0.2235, 0.3882
CMYK	0.57, 0.00, 0.21, 0.22
HSL	158°, 50%, 55%
HSV	158°, 57%, 78%
XYZ	29.9411, 44.7198, 38.5062
YIQ	159.4250, -53.8660, -37.0180

Conversions

Conversions Part 2

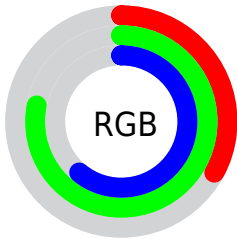
Format	Color
RYB	85, 154, 198
Decimal	5621404
CIELab	72.71, -42.15, 11.51
CIELCh	73, 43.691, 164.727
Yxy	44.7198, 0.2646, 0.3952
Android (android.graphics.Color)	4283811484 (0xFF55C69C)
YUV	159.4250, -1.6885, -65.2707
Hunter-Lab	66.8729, -37.1074, 12.6711

Details

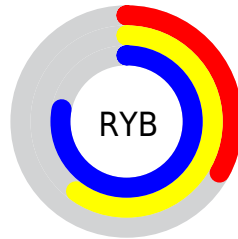
The XYZ color **29.9411, 44.7198, 38.5062** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **30.3694, 20.0360, 22.3468**, and the grayscale version is **33.1754, 34.9031, 38.0095**.

A 20% lighter version of the original color is **58.8456, 82.0628, 74.3662**, and **12.4223, 20.6907, 16.7036** is the 20% darker color. If you saturate the color by 10%, you get **27.7845, 43.6791, 35.2506**, and if you desaturate by 10%, it is **32.6407, 46.0385, 41.9863**.

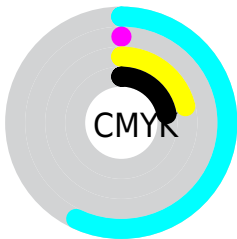
Distribution



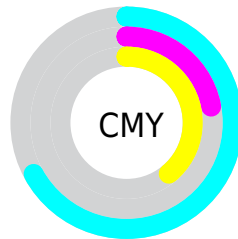
- Red (33%)
- Green (78%)
- Blue (61%)



- Red (33%)
- Yellow (60%)
- Blue (78%)



- Cyan (57%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)





- Cyan (67%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9411, 44.7198, 38.5062 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 29.9411, 44.7198, 38.5062 by changing the saturation by 10% instead.

 29.9411, 44.7198,
38.5062


 29.9411, 44.7198,
38.5062


293.5446,
365.6376, 355.1496


 19.9417, 31.2368,
26.0709

 58.9563, 82.2998,
74.0954


 12.4607, 20.7792,
16.6505


 78.7028, 107.1655,
98.0863

 7.1327, 12.9627,
9.8263


 102.4291,
136.5943, 126.7663

 3.5923, 7.4029,
5.1798

 130.5005,
170.9705, 160.5537

 1.4742, 3.7153,
2.2926

163.2824,
210.6786, 199.8672

 0.3082, 1.5156,
0.7271

201.1402,

 0.0000, 0.2997,

256.1028, 245.1254

0.0000

244.4391,
307.6277, 296.7466

■ 0.0000, 0.0000,
0.0000

■ 29.9411, 44.7198,
38.5062

■ 29.9411, 44.7198,
38.5062

■ 27.7845, 43.6791,
35.2506

■ 32.6407, 46.0385,
41.9863

■ 26.1236, 42.8884,
32.2110

■ 35.9186, 47.6496,
45.6930

■ 24.9085, 42.3233,
29.3824

■ 39.8111, 49.5731,
49.6323

■ 24.0699, 41.9482,
26.7579

■ 44.3504, 51.8254,
53.8089

■ 23.8588, 41.8554,
26.0254

■ 49.5664, 54.4220,
58.2273

■ 55.4872, 57.3772,
62.8919

■ 62.1391, 60.7045,
67.8070

■ 69.5473, 64.4168,
72.9767

■ 74.6518, 66.9366,
78.2606

Harmonies

Analogous

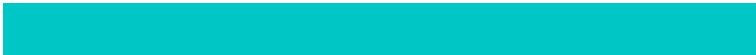
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0533, 44.7198, 24.6547



29.9411, 44.7198, 38.5062



29.9126, 44.7198, 60.0895

Triad

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



29.9411, 44.7198, 38.5062



46.3176, 44.7198, 101.2289



53.7202, 44.7198, 24.8338

Complementary

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



29.9411, 44.7198, 38.5062



30.3694, 20.0360, 22.3468

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.



58.2118, 44.7198, 38.8358



29.9411, 44.7198, 38.5062



53.6054, 44.7198, 84.7645

Square

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



29.9411, 44.7198, 38.5062



38.7809, 44.7198, 101.0612



58.1675, 44.7198, 60.5327



46.4598, 44.7198, 18.5109

Rectangle

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



29.9411, 44.7198, 38.5062



31.6188, 44.7198, 76.5428



58.1675, 44.7198, 60.5327



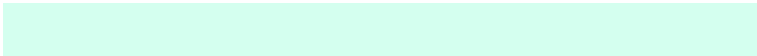
55.6402, 44.7198, 28.5789

Sweetspot

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



29.9423, 44.7216, 38.5072



78.3739, 91.6904, 95.1412



30.7849, 45.6597, 15.7855



16.4049, 19.4415, 20.0343



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.



29.9423, 44.7216, 38.5072



48.5593, 77.0377, 61.3404



31.2513, 40.6315, 59.6238



10.7730, 11.9981, 12.7550



15.5579, 27.2355, 17.1481



0.7708, 1.3033, 0.9919

Inverse Universe

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



30.3694, 20.0360, 22.3468



49.4196, 29.3114, 30.2682



29.3145, 21.4323, 11.1866



10.7942, 10.7011, 11.8994



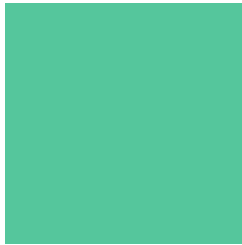
15.9784, 8.1409, 5.0963



0.7915, 0.3995, 0.4253

Previews

White Background



This preview shows how the XYZ color 29.9411, 44.7198, 38.5062 looks on a white background.

Color Contrast Check

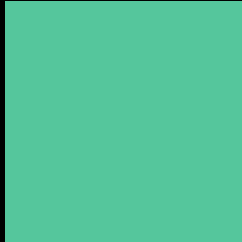
Large Text (above 18pt) WCAG AA × Fail

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 29.9411, 44.7198, 38.5062 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

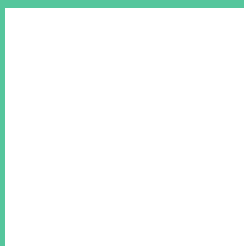
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9411, 44.7198, 38.5062

Background



This preview shows how black text looks on a background with the XYZ color 29.9411, 44.7198, 38.5062.

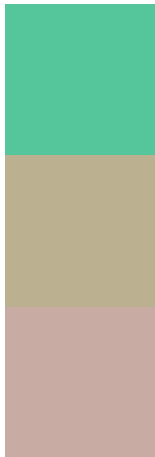


This preview shows how white text looks on a background with the XYZ color 29.9411, 44.7198,

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

29.9411, 44.7198, 38.5062

Protanopia

41.3265, 44.0534, 33.1131

Deuteranopia

44.9039, 44.0138, 40.3112



Tritanopia

35.3728, 44.5914, 65.7741

Trichromacy



Original Color

29.9411, 44.7198, 38.5062



Protanomaly

35.3515, 43.3519, 34.9383



Deuteranomaly

36.9696, 42.8549, 39.5810



Tritanomaly

33.1928, 44.7012, 54.4557

Monochromacy



Original Color

29.9411, 44.7198, 38.5062



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.6308, 37.2613, 37.9255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9411, 44.7198, 38.5062 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(85, 198, 156)` looks like.

```
.text, #text, p{  
    color:rgb(85, 198, 156)  
}
```

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(85, 198, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 198, 156) }
```

Border

The CSS property to change the border of an element to XYZ 29.9411, 44.7198, 38.5062 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(85, 198, 156) }
```


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

```
.border{ border-color:rgb(85, 198, 156) }
```

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

Here you see how a box with a 4 pixel rgb(85, 198, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 198, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 198, 156);  
box-shadow:4px 4px 4px 4px rgb(85, 198,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9411, 44.7198, 38.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 198, 156) }
```

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

```
.background{ background-color: rgb(85, 198,  
156) }
```

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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