

Converting Colors

XYZ(29.6187, 35.4890, 34.7702)

Have a look what the booklet for
XYZ(29.6187, 35.4890, 34.7702)
contains.

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Color

**XYZ(29.5802, 35.3905,
34.5502)**

Conversions

Conversions Part 1

Format	Color
Hex	87A897
RGB	135, 168, 151
RGB Percent	53%, 66%, 59%
CMY	0.4706, 0.3412, 0.4078
CMYK	0.20, 0.00, 0.10, 0.34
HSL	149°, 16%, 59%
HSV	149°, 20%, 66%
XYZ	29.5802, 35.3905, 34.5502
YIQ	156.1950, -14.2110, -12.2830

Conversions

Conversions Part 2

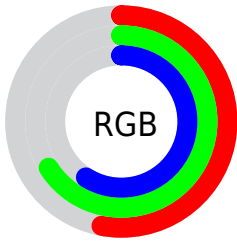
Format	Color
RYB	135, 157, 168
Decimal	8890519
CIELab	66.05, -14.83, 5.05
CIELCh	66, 15.671, 161.186
Yxy	35.3905, 0.2972, 0.3556
Android (android.graphics.Color)	4287080599 (0xFF87A897)
YUV	156.1950, -2.5611, -18.5880
Hunter-Lab	59.4899, -15.3517, 7.2088

Details

The XYZ color **29.5802, 35.3905, 34.5502** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.4811, 27.9206, 33.4899**, and the grayscale version is **31.7034, 33.3544, 36.3230**.

A 20% lighter version of the original color is **58.3934, 68.0019, 67.8056**, and **12.2920, 15.3422, 14.3701** is the 20% darker color. If you saturate the color by 10%, you get **26.4103, 33.8356, 30.8666**, and if you desaturate by 10%, it is **33.2302, 37.1889, 38.5272**.

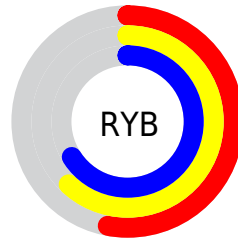
Distribution



Red (53%)

Green (66%)

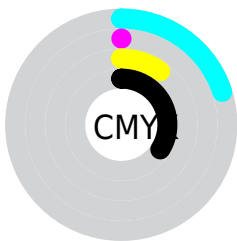
Blue (59%)



Red (53%)

Yellow (62%)

Blue (66%)

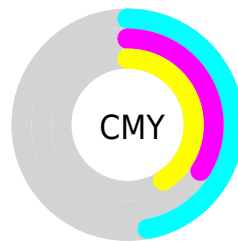


Cyan (20%)

Magenta (0%)

Yellow (10%)

Black (34%)



Cyan (47%)

Magenta (34%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5802, 35.3905, 34.5502 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 29.5802, 35.3905, 34.5502 by changing the saturation by 10% instead.

■ 29.5802, 35.3905,
34.5502

■ 29.5802, 35.3905,
34.5502

291.8878,
326.2886, 337.4222

■ 19.6667, 23.9638,
23.0358

■ 58.3889, 68.0903,
67.9320

■ 12.2598, 15.3068,
14.4144

■ 78.0147, 90.1322,
90.6365

■ 6.9943, 9.0350,
8.2674

■ 101.6086,
116.4813, 117.9082

■ 3.5049, 4.7640,
4.1763

129.5361,
147.5220, 150.1655

■ 1.4260, 2.1095,
1.7226

162.1623,
183.6387, 187.8270

■ 0.2747, 0.6699,
0.3761

199.8528,

■ 0.0000, 0.0000,

225.2157, 231.3113

0.0000

242.9729,
272.6376, 281.0368

■ 29.5802, 35.3905,
34.5502

■ 29.5802, 35.3905,
34.5502

■ 26.4103, 33.8356,
30.8666

■ 33.2302, 37.1889,
38.5272

■ 23.6966, 32.5091,
27.4673

■ 37.3772, 39.2364,
42.8017

■ 21.4174, 31.4008,
24.3462

■ 42.0406, 41.5440,
47.3808

■ 19.5478, 30.4982,
21.4957

■ 47.2381, 44.1205,
52.2705

■ 18.0607, 29.7872,
18.9084

■ 52.9864, 46.9746,
57.4768

■ 16.9250, 29.2522,
16.5762

■ 59.3016, 50.1144,
63.0054

■ 16.1048, 28.8747,
14.4903

■ 66.1989, 53.5476,
68.8618

■ 15.5246, 28.6160,
12.6400

■ 68.1938, 54.4468,
74.7942

■ 15.5055, 28.6074,
12.5782

■ 69.3719, 54.9180,
80.9983

Harmonies

Analogous

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



30.7783, 35.3905, 29.6781



29.5802, 35.3905, 34.5502



29.4391, 35.3905, 41.0722

Triad

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



29.5802, 35.3905, 34.5502



34.5125, 35.3905, 52.5112



37.1161, 35.3905, 30.7019

Complementary

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



29.5802, 35.3905, 34.5502



30.4811, 27.9206, 33.4899

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.



38.2174, 35.3905, 36.1031



29.5802, 35.3905, 34.5502



36.6688, 35.3905, 48.9972

Square

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



29.5802, 35.3905, 34.5502



32.2161, 35.3905, 51.9710



38.0500, 35.3905, 42.8133



35.1003, 35.3905, 27.6394

Rectangle

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



29.5802, 35.3905, 34.5502



29.9556, 35.3905, 45.5528



38.0500, 35.3905, 42.8133



37.6096, 35.3905, 32.2764

Sweetspot

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



29.5812, 35.3920, 34.5510



62.8524, 68.7417, 72.5885



31.3353, 36.4363, 28.3035



13.6006, 14.9341, 15.7186



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.5812, 35.3920, 34.5510



50.8111, 62.8131, 59.4228



31.0122, 35.9644, 42.0867



7.5826, 8.4661, 8.7881



11.7343, 21.6125, 9.6337



0.3115, 0.5362, 0.3711

Inverse Universe

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



30.4811, 27.9206, 33.4899



52.7750, 46.5079, 57.1066



29.2254, 27.4183, 26.8776



7.6864, 7.6044, 8.6657



13.5060, 6.8111, 7.4759



0.3543, 0.1760, 0.3172

Previews

White Background



This preview shows how the XYZ color 29.5802, 35.3905, 34.5502 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 29.5802, 35.3905, 34.5502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

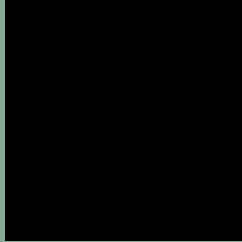
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5802, 35.3905, 34.5502

Background



This preview shows how black text looks on a background with the XYZ color 29.5802, 35.3905, 34.5502.

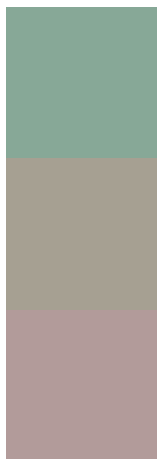


This preview shows how white text looks on a background with the XYZ color 29.5802, 35.3905,

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

29.5802, 35.3905, 34.5502

Protanopia

33.4850, 35.3239, 32.2475

Deuteranopia

35.9142, 35.2408, 35.4811



Tritanopia

32.0265, 35.3007, 46.7207

Trichromacy



Original Color

29.5802, 35.3905, 34.5502

Protanomaly

31.9601, 35.3011, 33.1463

Deuteranomaly

33.2209, 35.1229, 35.1655

Tritanomaly

31.0042, 35.1407, 42.1945

Monochromacy



Original Color

29.5802, 35.3905, 34.5502

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.6163, 33.7706, 35.4766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5802, 35.3905, 34.5502 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(135, 168, 151)` looks like.

```
.text, #text, p{  
    color:rgb(135, 168, 151)  
}
```

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(135, 168, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 168, 151) }
```

Border

The CSS property to change the border of an element to XYZ 29.5802, 35.3905, 34.5502 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(135, 168, 151) }
```


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

```
.border{ border-color:rgb(135, 168, 151) }
```

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

Here you see how a box with a 4 pixel rgb(135, 168, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 168, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 168, 151);  
box-shadow:4px 4px 4px 4px rgb(135, 168,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5802, 35.3905, 34.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 168, 151) }
```

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

```
.background{ background-color: rgb(135,  
168, 151) }
```

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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