

Converting Colors

XYZ(29.3730, 34.3695, 41.0155)

Have a look what the booklet for
XYZ(29.3730, 34.3695, 41.0155)
contains.

XYZ(29.3913, 34.3306, 41.1538)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.3913, 34.3306,
41.1538)**

Conversions

Conversions Part 1

Format	Color
Hex	81A5A6
RGB	129, 165, 166
RGB Percent	51%, 65%, 65%
CMY	0.4941, 0.3529, 0.3490
CMYK	0.22, 0.01, 0.00, 0.35
HSL	182°, 17%, 58%
HSV	182°, 22%, 65%
XYZ	29.3913, 34.3306, 41.1538
YIQ	154.3500, -21.7770, -7.3210

Conversions

Conversions Part 2

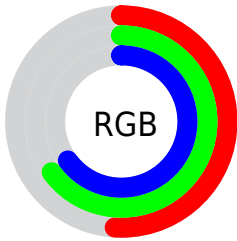
Format	Color
RYB	129, 147, 166
Decimal	8496550
CIELab	65.22, -11.99, -4.56
CIElCh	65, 12.828, 200.832
Yxy	34.3306, 0.2802, 0.3273
Android (android.graphics.Color)	4286686630 (0xFF81A5A6)
YUV	154.3500, 5.7435, -22.2319
Hunter-Lab	58.5923, -12.9967, -0.6292

Details

The XYZ color **29.3913, 34.3306, 41.1538** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.6712, 25.6572, 24.2633**, and the grayscale version is **30.8521, 32.4588, 35.3477**.

A 20% lighter version of the original color is **58.1728, 66.4741, 78.1714**, and **12.1668, 14.6874, 18.1133** is the 20% darker color. If you saturate the color by 10%, you get **26.9915, 32.9747, 41.0191**, and if you desaturate by 10%, it is **32.2031, 35.9011, 41.3093**.

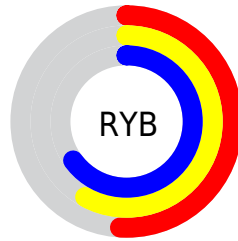
Distribution



Red (51%)

Green (65%)

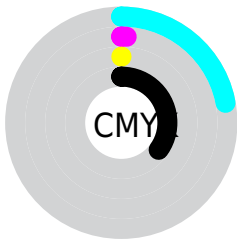
Blue (65%)



Red (51%)

Yellow (58%)

Blue (65%)

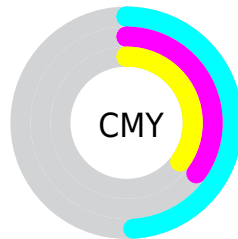


Cyan (22%)

Magenta (1%)

Yellow (0%)

Black (35%)



Cyan (49%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3913, 34.3306, 41.1538 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 29.3913, 34.3306, 41.1538 by changing the saturation by 10% instead.

■ 29.3913, 34.3306,
41.1538

■ 29.3913, 34.3306,
41.1538

291.0178,
321.6037, 366.6587

■ 19.5228, 23.1477,
28.1187

■ 58.0915, 66.4474,
78.1735

■ 12.1549, 14.7026,
18.1753

■ 77.6539, 88.1502,
102.9952

■ 6.9222, 8.6109,
10.9052

■ 101.1783,
114.1283, 132.5828

■ 3.4594, 4.4883,
5.8897

129.0300,
144.7662, 167.3549

■ 1.4011, 1.9503,
2.7104

161.5745,
180.4483, 207.7300

■ 0.2570, 0.5783,
0.9487

199.1770,

■ 0.0000, 0.0000,

221.5590, 254.1266

0.0000

242.2030,
268.4827, 306.9633

■ 29.3913, 34.3306,
41.1538

■ 29.3913, 34.3306,
41.1538

■ 26.9915, 32.9747,
41.0191

■ 32.2031, 35.9011,
41.3093

■ 24.9809, 31.8189,
40.9020

■ 35.4422, 37.6914,
41.4841

■ 23.3391, 30.8537,
40.8022

■ 39.1270, 39.7119,
41.6799

■ 22.0426, 30.0670,
40.7187

■ 43.2737, 41.9710,
41.8974

■ 21.0654, 29.4452,
40.6502

■ 47.8980, 44.4766,
42.1373

■ 20.3775, 28.9731,
40.5953

■ 53.0147, 47.2365,
42.4004

■ 19.9436, 28.6322,
40.5524

■ 58.6378, 50.2579,
42.6872

■ 19.7199, 28.4269,
40.5246

■ 62.2338, 52.2348,
42.8792

■ 62.3170, 52.4011,
42.9069

Harmonies

Analogous

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



29.2157, 34.3306, 35.7673



29.3913, 34.3306, 41.1538



30.4168, 34.3306, 45.9236

Triad

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



29.3913, 34.3306, 41.1538



35.4909, 34.3306, 44.2509



33.2050, 34.3306, 28.1283

Complementary

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



29.3913, 34.3306, 41.1538



27.6712, 25.6572, 24.2633

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.



34.9485, 34.3306, 29.9681



29.3913, 34.3306, 41.1538



36.3009, 34.3306, 39.0409

Square

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



29.3913, 34.3306, 41.1538



33.9225, 34.3306, 47.8267



36.0987, 34.3306, 33.8446



31.3711, 34.3306, 28.5777

Rectangle

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



29.3913, 34.3306, 41.1538



31.4666, 34.3306, 47.9471



36.0987, 34.3306, 33.8446



33.8221, 34.3306, 28.4924

Sweetspot

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



29.3923, 34.3320, 41.1546



61.3781, 66.7810, 75.1303



26.6936, 33.5416, 26.0522



13.6615, 14.9035, 16.8088



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.



29.3923, 34.3320, 41.1546



50.9815, 60.9774, 74.5581



26.3523, 28.2521, 40.1413



7.7300, 8.4968, 9.6510



15.2973, 22.0548, 31.4262



0.3774, 0.5470, 0.7663

Inverse Universe

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



30.3684, 26.5248, 39.1182



53.0946, 44.1600, 70.1312



30.2971, 30.9090, 25.1386



7.8330, 7.6631, 9.4380



17.2220, 8.2975, 27.0441



0.4216, 0.2029, 0.6718

Previews

White Background



This preview shows how the XYZ color 29.3913, 34.3306, 41.1538 looks on a white background.

Color Contrast Check

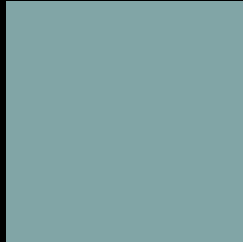
Large Text (above 18pt) WCAG AA × Fail

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 29.3913, 34.3306, 41.1538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

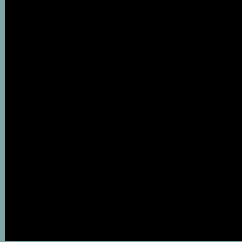
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

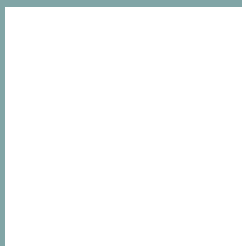
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3913, 34.3306, 41.1538

Background



This preview shows how black text looks on a background with the XYZ color 29.3913, 34.3306, 41.1538.



This preview shows how white text looks on a background with the XYZ color 29.3913, 34.3306,

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

29.3913, 34.3306, 41.1538

Protanopia

32.9872, 34.1607, 38.5733

Deuteranopia

34.6076, 33.9344, 41.7718



Tritanopia

30.2937, 34.1543, 46.0701

Trichromacy



Original Color

29.3913, 34.3306, 41.1538

Protanomaly

31.5761, 34.1755, 39.5826

Deuteranomaly

32.3584, 33.7740, 41.3728

Tritanomaly

29.9278, 34.2753, 44.0682

Monochromacy



Original Color

29.3913, 34.3306, 41.1538

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0755, 32.9421, 37.1211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3913, 34.3306, 41.1538 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(129, 165, 166)` looks like.

```
.text, #text, p{  
    color:rgb(129, 165, 166)  
}
```

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(129, 165, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 165, 166) }
```

Border

The CSS property to change the border of an element to XYZ 29.3913, 34.3306, 41.1538 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(129, 165, 166) }
```


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

```
.border{ border-color:rgb(129, 165, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 165, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 165, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 165, 166);  
box-shadow:4px 4px 4px 4px rgb(129, 165,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3913, 34.3306, 41.1538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 165, 166) }
```

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

```
.background{ background-color: rgb(129,  
165, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor