

Converting Colors

XYZ(29.1599, 34.8458, 29.8375)

Have a look what the booklet for
XYZ(29.1599, 34.8458, 29.8375)
contains.

XYZ(29.1851, 34.7413, 29.9785)	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(29.1851, 34.7413,
29.9785)**

Conversions

Conversions Part 1

Format	Color
Hex	8CA68C
RGB	140, 166, 140
RGB Percent	55%, 65%, 55%
CMY	0.4510, 0.3490, 0.4510
CMYK	0.16, 0.00, 0.16, 0.35
HSL	120°, 13%, 60%
HSV	120°, 16%, 65%
XYZ	29.1851, 34.7413, 29.9785
YIQ	155.2620, -7.1500, -13.5980

Conversions

Conversions Part 2

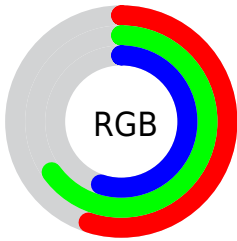
Format	Color
RYB	140, 166, 166
Decimal	9217676
CIELab	65.55, -14.17, 10.49
CIELCh	66, 17.631, 143.501
Yxy	34.7413, 0.3108, 0.3700
Android (android.graphics.Color)	4287407756 (0xFF8CA68C)
YUV	155.2620, -7.5242, -13.3848
Hunter-Lab	58.9418, -14.7635, 11.1036

Details

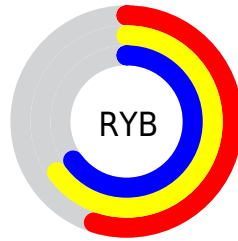
The XYZ color **29.1851, 34.7413, 29.9785** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **31.9882, 29.6172, 40.1088**, and the grayscale version is **31.3071, 32.9375, 35.8690**.

A 20% lighter version of the original color is **57.8422, 67.0773, 60.9375**, and **12.0792, 14.9465, 11.9212** is the 20% darker color. If you saturate the color by 10%, you get **25.4631, 32.9544, 23.8896**, and if you desaturate by 10%, it is **33.5157, 36.8226, 37.0613**.

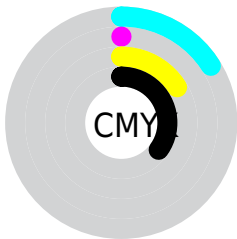
Distribution



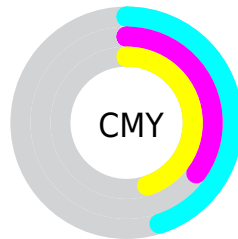
- Red (55%)
- Green (65%)
- Blue (55%)



- Red (55%)
- Yellow (65%)
- Blue (65%)



- Cyan (16%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)



- Cyan (45%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1851, 34.7413, 29.9785 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 29.1851, 34.7413, 29.9785 by changing the saturation by 10% instead.

■ 29.1851, 34.7413,
29.9785

■ 29.1851, 34.7413,
29.9785

290.0658,
323.4250, 316.0084

■ 19.3659, 23.4637,
19.5704

■ 57.7666, 67.0848,
60.6888

■ 12.0405, 14.9362,
11.9022

■ 77.2595, 88.9195,
81.8280

■ 6.8437, 8.7747,
6.5554

■ 100.7078,
115.0419, 107.3813

■ 3.4100, 4.5945,
3.1114

128.4767,
145.8366, 137.7673

■ 1.3741, 2.0114,
1.1518

160.9316,
181.6878, 173.4044

■ 0.2377, 0.6141,
0.0000

198.4378,

■ 0.0000, 0.0000,

222.9800, 214.7113

0.0000

241.3608,
270.0976, 262.1065

■ 29.1851, 34.7413,
29.9785

■ 29.1851, 34.7413,
29.9785

■ 25.4631, 32.9544,
23.8896

■ 33.5157, 36.8226,
37.0613

■ 22.3197, 31.4445,
18.7481

■ 38.4776, 39.2060,
45.1773

■ 19.7268, 30.1990,
14.5070

■ 44.0954, 41.9045,
54.3663

■ 17.6528, 29.2028,
11.1145

■ 50.3920, 44.9291,
64.6656

■ 16.0627, 28.4390,
8.5136

■ 57.3889, 48.2901,
76.1103

■ 14.9174, 27.8888,
6.6402

■ 65.1069, 51.9974,
88.7344

■ 14.1716, 27.5306,
5.4203

■ 72.9269, 55.7537,
101.5256

■ 13.7664, 27.3359,
4.7575

■ 13.6369, 27.2737,
4.5456

Harmonies

Analogous

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



31.0785, 34.7413, 26.2203



29.1851, 34.7413, 29.9785



28.3255, 34.7413, 36.2394

Triad

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



29.1851, 34.7413, 29.9785



32.4613, 34.7413, 53.8014



37.7902, 34.7413, 32.4317

Complementary

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



29.1851, 34.7413, 29.9785



31.9882, 29.6172, 40.1088

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.



38.2077, 34.7413, 39.4611



29.1851, 34.7413, 29.9785



35.0419, 34.7413, 52.4359

Square

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



29.1851, 34.7413, 29.9785



30.1523, 34.7413, 50.4588



37.1781, 34.7413, 46.9390



36.0652, 34.7413, 27.5022

Rectangle

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



29.1851, 34.7413, 29.9785



28.4208, 34.7413, 41.2479



37.1781, 34.7413, 46.9390



38.0917, 34.7413, 34.6014

Sweetspot

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



29.1860, 34.7428, 29.9793



61.3077, 67.0582, 68.0491



34.0972, 37.2746, 30.2091



13.5917, 14.9449, 15.0190



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.



29.1860, 34.7428, 29.9793



50.3491, 61.7942, 50.1241



30.2023, 35.1493, 35.3307



7.4368, 8.4078, 8.0202



10.5742, 21.1485, 3.5248



0.2573, 0.5145, 0.0858

Inverse Universe

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



31.9882, 29.6172, 40.1088



56.4735, 50.5915, 72.2639



30.8549, 29.1639, 34.1410



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6768



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 29.1851, 34.7413, 29.9785 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 29.1851, 34.7413, 29.9785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

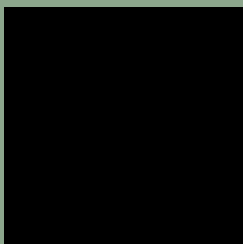
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1851, 34.7413, 29.9785

Background



This preview shows how black text looks on a background with the XYZ color 29.1851, 34.7413, 29.9785.



This preview shows how white text looks on a background with the XYZ color 29.1851, 34.7413,

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

29.1851, 34.7413, 29.9785

Protanopia

32.6071, 34.4468, 28.2229

Deuteranopia

35.1715, 34.4689, 30.7860



Tritanopia

32.2389, 34.6567, 45.0346

Trichromacy



Original Color

29.1851, 34.7413, 29.9785

Protanomaly

31.1649, 34.4640, 28.6766

Deuteranomaly

32.6264, 34.4060, 30.5126

Tritanomaly

31.1204, 34.7323, 39.2462

Monochromacy



Original Color

29.1851, 34.7413, 29.9785

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.4808, 33.4823, 33.7104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1851, 34.7413, 29.9785 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(140, 166, 140) looks like.

```
.text, #text, p{  
    color:rgb(140, 166, 140)  
}
```

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(140, 166, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 166, 140) }
```

Border

The CSS property to change the border of an element to XYZ 29.1851, 34.7413, 29.9785 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(140, 166, 140) }
```


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

```
.border{ border-color:rgb(140, 166, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 166, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 166, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 166, 140);  
box-shadow:4px 4px 4px 4px rgb(140, 166,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1851, 34.7413, 29.9785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 166, 140) }
```

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

```
.background{ background-color: rgb(140,  
166, 140) }
```

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