

Converting Colors

XYZ(29.1810, 34.1595, 40.8846)

Have a look what the booklet for
XYZ(29.1810, 34.1595, 40.8846)
contains.

XYZ(29.1488, 34.2161, 40.6654)	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(29.1488, 34.2161,
40.6654)**

Conversions

Conversions Part 1

Format	Color
Hex	80A5A5
RGB	128, 165, 165
RGB Percent	50%, 65%, 65%
CMY	0.4980, 0.3529, 0.3529
CMYK	0.22, 0.00, 0.00, 0.35
HSL	180°, 17%, 57%
HSV	180°, 22%, 65%
XYZ	29.1488, 34.2161, 40.6654
YIQ	153.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

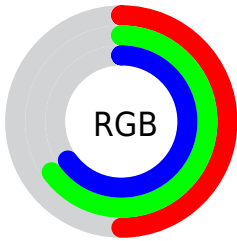
Format	Color
RYB	128, 147, 165
Decimal	8431013
CIELab	65.13, -12.53, -4.14
CIELCh	65, 13.200, 198.296
Yxy	34.2161, 0.2802, 0.3289
Android (android.graphics.Color)	4286621093 (0xFF80A5A5)
YUV	153.9370, 5.4541, -22.7467
Hunter-Lab	58.4945, -13.4159, -0.2722

Details

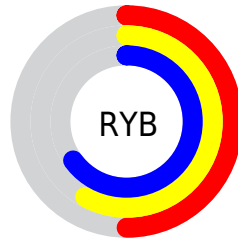
The XYZ color **29.1488, 34.2161, 40.6654** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.1338, 24.9972, 23.8184**, and the grayscale version is **30.6721, 32.2695, 35.1414**.

A 20% lighter version of the original color is **57.8029, 66.2988, 77.4606**, and **12.0276, 14.6222, 17.8112** is the 20% darker color. If you saturate the color by 10%, you get **26.8662, 33.0403, 40.5589**, and if you desaturate by 10%, it is **31.8370, 35.6028, 40.7924**.

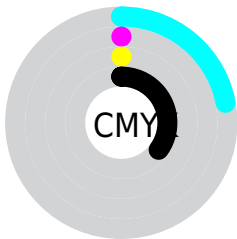
Distribution



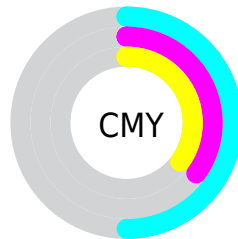
- Red (50%)
- Green (65%)
- Blue (65%)



- Red (50%)
- Yellow (58%)
- Blue (65%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)



- Cyan (50%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1488, 34.2161, 40.6654 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 29.1488, 34.2161, 40.6654 by changing the saturation by 10% instead.

■ 29.1488, 34.2161,
40.6654

■ 29.1488, 34.2161,
40.6654

289.8979,
321.0946, 364.5554

■ 19.3383, 23.0597,
27.7400

■ 57.7093, 66.2696,
77.4238

■ 12.0204, 14.6376,
17.8924

■ 77.1901, 87.9354,
102.0940

■ 6.8299, 8.5654,
10.7041

■ 100.6249,
113.8732, 131.5161

■ 3.4013, 4.4588,
5.7566

128.3791,
144.4672, 166.1087

■ 1.3694, 1.9334,
2.6313

160.8182,
180.1020, 206.2904

■ 0.2342, 0.5683,
0.9085

198.3075,

■ 0.0000, 0.0000,

221.1619, 252.4797

0.0000

241.2123,
268.0313, 305.0952

■ 29.1488, 34.2161,
40.6654

■ 29.1488, 34.2161,
40.6654

■ 26.8662, 33.0403,
40.5589

■ 31.8370, 35.6028,
40.7924

■ 24.9667, 32.0610,
40.4695

■ 34.9461, 37.2056,
40.9383

■ 23.4302, 31.2690,
40.3972

■ 38.4939, 39.0345,
41.1048

■ 22.2337, 30.6522,
40.3407

■ 42.4968, 41.0981,
41.2926

■ 21.3513, 30.1973,
40.2990

■ 46.9698, 43.4040,
41.5024

■ 20.7536, 29.8891,
40.2705

■ 51.9278, 45.9599,
41.7349

■ 20.4055, 29.7097,
40.2538

■ 57.3845, 48.7730,
41.9907

■ 20.2467, 29.6279,
40.2460

■ 61.4881, 50.8884,
42.1832

■ 61.4882, 50.8884,
42.1836

Harmonies

Analogous

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



29.0470, 34.2161, 35.1568



29.1488, 34.2161, 40.6654



30.1325, 34.2161, 45.6972

Triad

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



29.1488, 34.2161, 40.6654



35.3489, 34.2161, 44.7216



33.2741, 34.2161, 27.8531

Complementary

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



29.1488, 34.2161, 40.6654



27.1338, 24.9972, 23.8184

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.



35.0333, 34.2161, 29.9233



29.1488, 34.2161, 40.6654



36.2623, 34.2161, 39.4361

Square

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



29.1488, 34.2161, 40.6654



33.6912, 34.2161, 48.1928



36.1446, 34.2161, 34.0418



31.3790, 34.2161, 28.1125

Rectangle

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



29.1488, 34.2161, 40.6654



31.1785, 34.2161, 47.9386



36.1446, 34.2161, 34.0418



33.9023, 34.2161, 28.2906

Sweetspot

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



29.1498, 34.2175, 40.6662



59.8682, 65.2300, 73.1870



26.3476, 33.1074, 25.4245



13.0218, 14.2263, 15.9970



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.1498, 34.2175, 40.6662



50.0412, 60.1640, 72.7255



26.1466, 28.2107, 39.6660



7.2761, 8.0113, 9.0658



15.3162, 22.4128, 30.4453



0.3218, 0.4709, 0.6398

Inverse Universe

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



27.1338, 24.9972, 23.8184



45.7720, 40.6390, 37.0484



29.6755, 30.0809, 24.6650



7.0738, 7.0860, 7.3751



11.7389, 6.0516, 0.5496



0.2467, 0.1272, 0.0116

Previews

White Background



This preview shows how the XYZ color 29.1488, 34.2161, 40.6654 looks on a white background.

Color Contrast Check

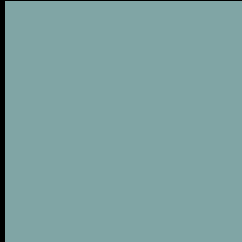
Large Text (above 18pt) WCAG AA × Fail

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 29.1488, 34.2161, 40.6654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

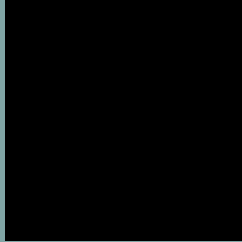
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1488, 34.2161, 40.6654

Background



This preview shows how black text looks on a background with the XYZ color 29.1488, 34.2161, 40.6654.

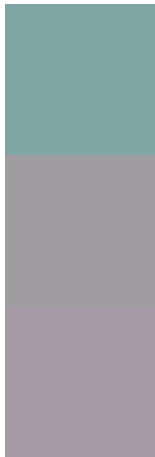


This preview shows how white text looks on a background with the XYZ color 29.1488, 34.2161,

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

29.1488, 34.2161, 40.6654

Protanopia

32.8993, 34.1256, 38.1106

Deuteranopia

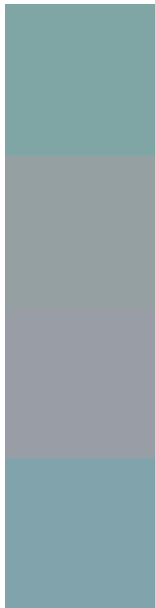
34.5147, 33.8973, 41.2829



Tritanopia

30.1396, 34.0748, 46.0629

Trichromacy



Original Color

29.1488, 34.2161, 40.6654

Protanomaly

31.3051, 34.0461, 39.1040

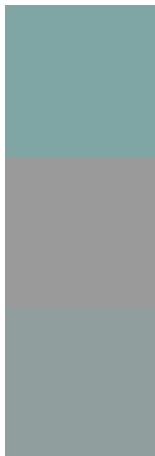
Deuteranomaly

32.0768, 33.6394, 40.8788

Tritanomaly

29.7751, 34.1966, 44.0610

Monochromacy



Original Color

29.1488, 34.2161, 40.6654

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 29.1488, 34.2161, 40.6654 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(128, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(128, 165, 165)  
}
```

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(128, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 165, 165) }
```

Border

The CSS property to change the border of an element to XYZ 29.1488, 34.2161, 40.6654 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(128, 165, 165) }
```


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

```
.border{ border-color:rgb(128, 165, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(128, 165,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1488, 34.2161, 40.6654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 165, 165) }
```

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

```
.background{ background-color: rgb(128,  
165, 165) }
```

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