

Converting Colors

XYZ(31.1795, 34.5102, 40.4929)

Have a look what the booklet for
XYZ(31.1795, 34.5102, 40.4929)
contains.

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Color

**XYZ(31.2135, 34.4866,
40.6088)**

Conversions

Conversions Part 1

Format	Color
Hex	90A2A5
RGB	144, 162, 165
RGB Percent	56%, 64%, 65%
CMY	0.4353, 0.3647, 0.3529
CMYK	0.13, 0.02, 0.00, 0.35
HSL	189°, 10%, 61%
HSV	189°, 13%, 65%
XYZ	31.2135, 34.4866, 40.6088
YIQ	156.9600, -11.6910, -2.8830

Conversions

Conversions Part 2

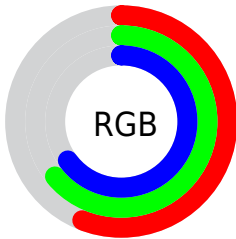
Format	Color
RYB	144, 154, 165
Decimal	9478821
CIELab	65.35, -5.67, -3.71
CIELCh	65, 6.777, 213.186
Yxy	34.4866, 0.2936, 0.3244
Android (android.graphics.Color)	4287668901 (0xFF90A2A5)
YUV	156.9600, 3.9637, -11.3659
Hunter-Lab	58.7253, -7.8935, 0.1084

Details

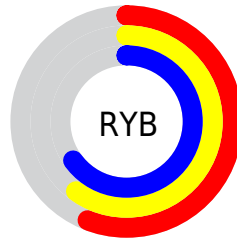
The XYZ color **31.2135, 34.4866, 40.6088** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9851, 30.8803, 30.7136**, and the grayscale version is **32.0172, 33.6846, 36.6825**.

A 20% lighter version of the original color is **61.0198, 66.7988, 77.3875**, and **13.0708, 14.6713, 17.7657** is the 20% darker color. If you saturate the color by 10%, you get **28.1288, 32.2871, 40.3474**, and if you desaturate by 10%, it is **34.7292, 36.9216, 40.8941**.

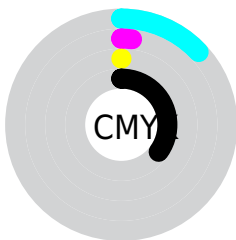
Distribution



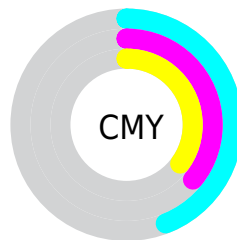
- Red (56%)
- Green (64%)
- Blue (65%)



- Red (56%)
- Yellow (60%)
- Blue (65%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)



- Cyan (44%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2135, 34.4866, 40.6088 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 31.2135, 34.4866, 40.6088 by changing the saturation by 10% instead.

■ 31.2135, 34.4866,
40.6088

■ 31.2135, 34.4866,
40.6088

299.3301,
322.2964, 364.3110

■ 20.9141, 23.2677,
27.6961

■ 60.9496, 66.6897,
77.3369

■ 13.1733, 14.7913,
17.8597

■ 81.1170, 88.4426,
101.9894

■ 7.6258, 8.6730,
10.6809

105.3045,
114.4756, 131.3923

■ 3.9063, 4.5285,
5.7412

133.8774,
145.1732, 165.9641

■ 1.6492, 1.9734,
2.6221

167.2010,
180.9196, 206.1233

■ 0.4242, 0.5919,
0.9039

205.6408,

■ 0.0000, 0.0000,

222.0994, 252.2885

0.0000

249.5620,
269.0968, 304.8782

■ 31.2135, 34.4866,
40.6088

■ 31.2135, 34.4866,
40.6088

■ 28.1288, 32.2871,
40.3474

■ 34.7292, 36.9216,
40.8941

■ 25.4540, 30.3095,
40.1066

■ 38.6900, 39.5968,
41.2017

■ 23.1703, 28.5449,
39.8864

■ 43.1131, 42.5220,
41.5332

■ 21.2566, 26.9824,
39.6857

■ 48.0139, 45.7052,
41.8893

■ 19.6897, 25.6100,
39.5034

■ 53.4070, 49.1540,
42.2707

■ 18.4437, 24.4142,
39.3382

■ 59.3065, 52.8756,
42.6781

■ 17.4888, 23.3797,
39.1889

■ 64.0499, 56.0131,
43.0337

■ 16.7899, 22.4882,
39.0536

■ 64.5242, 56.9618,
43.1918

■ 16.3827, 21.8988,
38.9613

■ 65.0067, 57.9268,
43.3527

Harmonies

Analogous

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



30.9173, 34.4866, 37.8533



31.2135, 34.4866, 40.6088



31.9286, 34.4866, 42.6203

Triad

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



31.2135, 34.4866, 40.6088



34.5041, 34.4866, 40.0593



32.6730, 34.4866, 32.3734

Complementary

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



31.2135, 34.4866, 40.6088



30.9851, 30.8803, 30.7136

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.



33.6433, 34.4866, 32.8988



31.2135, 34.4866, 40.6088



34.7129, 34.4866, 37.2484

Square

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



31.2135, 34.4866, 40.6088



33.8298, 34.4866, 42.2920



34.3949, 34.4866, 34.6489



31.7492, 34.4866, 33.1765

Rectangle

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



31.2135, 34.4866, 40.6088



32.5535, 34.4866, 43.2181



34.3949, 34.4866, 34.6489



33.0045, 34.4866, 32.4006

Sweetspot

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



31.2145, 34.4880, 40.6096



61.3032, 65.5114, 73.1663



30.2081, 34.9405, 32.6743



13.2984, 14.2509, 15.9873



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.



31.2145, 34.4880, 40.6096



54.4224, 60.7215, 72.6044



29.4734, 31.0058, 40.0292



7.1896, 7.8381, 9.0370



12.4212, 16.6218, 29.4834



0.2831, 0.3934, 0.6269

Inverse Universe

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



32.0127, 30.5552, 38.3946



56.1170, 52.4447, 67.8858



32.6595, 34.2292, 31.2718



7.3207, 7.1847, 8.6749



15.4151, 7.5221, 19.9085



0.3351, 0.1625, 0.4770

Previews

White Background



This preview shows how the XYZ color 31.2135, 34.4866, 40.6088 looks on a white background.

Color Contrast Check

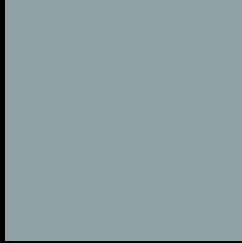
Large Text (above 18pt) WCAG AA × Fail

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 31.2135, 34.4866, 40.6088 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

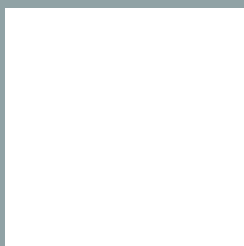
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2135, 34.4866, 40.6088

Background



This preview shows how black text looks on a background with the XYZ color 31.2135, 34.4866, 40.6088.



This preview shows how white text looks on a background with the XYZ color 31.2135, 34.4866,

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

31.2135, 34.4866, 40.6088

Protanopia

33.2457, 34.5359, 39.0963

Deuteranopia

35.1082, 34.4473, 41.3578



Tritanopia

32.1418, 34.6179, 44.5230

Trichromacy



Original Color

31.2135, 34.4866, 40.6088

Protanomaly

32.3354, 34.3106, 39.5687

Deuteranomaly

33.6378, 34.4442, 40.9519

Tritanomaly

31.6776, 34.4118, 43.0028

Monochromacy



Original Color

31.2135, 34.4866, 40.6088

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.6922, 34.0097, 38.1519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2135, 34.4866, 40.6088 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(144, 162, 165)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 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(144, 162, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.2135, 34.4866, 40.6088 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(144, 162, 165) }
```


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

```
.border{ border-color:rgb(144, 162, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 162, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 165);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2135, 34.4866, 40.6088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 165) }
```

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

```
.background{ background-color: rgb(144,  
162, 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](#).

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