

Converting Colors

XYZ(31.1545, 33.9690, 40.8460)

Have a look what the booklet for
XYZ(31.1545, 33.9690, 40.8460)
contains.

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Color

**XYZ(31.1308, 33.9145,
40.9818)**

Conversions

Conversions Part 1

Format	Color
Hex	91A0A6
RGB	145, 160, 166
RGB Percent	57%, 63%, 65%
CMY	0.4314, 0.3725, 0.3490
CMYK	0.13, 0.04, 0.00, 0.35
HSL	197°, 11%, 61%
HSV	197°, 13%, 65%
XYZ	31.1308, 33.9145, 40.9818
YIQ	156.1990, -10.8660, -1.3140

Conversions

Conversions Part 2

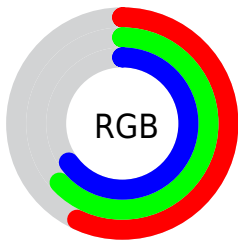
Format	Color
RYB	145, 154, 166
Decimal	9543846
CIELab	64.89, -4.03, -4.93
CIElCh	65, 6.364, 230.751
Yxy	33.9145, 0.2936, 0.3199
Android (android.graphics.Color)	4287733926 (0xFF91A0A6)
YUV	156.1990, 4.8319, -9.8215
Hunter-Lab	58.2362, -6.4941, -0.9581

Details

The XYZ color **31.1308, 33.9145, 40.9818** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9036, 32.2845, 31.3388**, and the grayscale version is **31.6721, 33.3215, 36.2872**.

A 20% lighter version of the original color is **60.9048, 65.9634, 77.9288**, and **13.1220, 14.5319, 18.0329** is the 20% darker color. If you saturate the color by 10%, you get **27.6107, 30.9037, 40.5867**, and if you desaturate by 10%, it is **35.1117, 37.2112, 41.4088**.

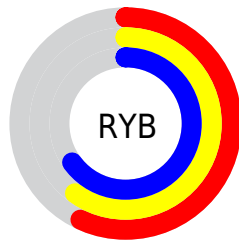
Distribution



Red (57%)

Green (63%)

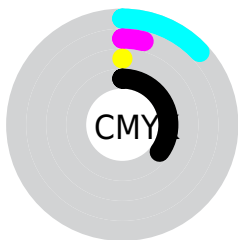
Blue (65%)



Red (57%)

Yellow (60%)

Blue (65%)

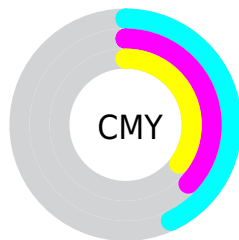


Cyan (13%)

Magenta (4%)

Yellow (0%)

Black (35%)



Cyan (43%)

Magenta (37%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1308, 33.9145, 40.9818 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 31.1308, 33.9145, 40.9818 by changing the saturation by 10% instead.

■ 31.1308, 33.9145,
40.9818

■ 31.1308, 33.9145,
40.9818

298.9566,
319.7506, 365.9189

■ 20.8508, 22.8279,
27.9853

■ 60.8204, 65.8007,
77.9096

■ 13.1268, 14.4665,
18.0756

■ 80.9607, 87.3691,
102.6780

■ 7.5935, 8.4458,
10.8343

105.1184,
113.2002, 132.2074

■ 3.8856, 4.3815,
5.8427

133.6590,
143.6785, 166.9164

■ 1.6376, 1.8892,
2.6825

166.9477,
179.1883, 207.2235

■ 0.4167, 0.5419,
0.9346

205.3500,

■ 0.0000, 0.0000,

220.1139, 253.5473

0.0000

249.2312,
266.8399, 306.3062

■ 31.1308, 33.9145,
40.9818

■ 31.1308, 33.9145,
40.9818

■ 27.6107, 30.9037,
40.5867

■ 35.1117, 37.2112,
41.4088

■ 24.5296, 28.1643,
40.2204

■ 39.5680, 40.7991,
41.8665

■ 21.8683, 25.6869,
39.8824

■ 44.5175, 44.6889,
42.3564

■ 19.6050, 23.4596,
39.5718

■ 49.9761, 48.8890,
42.8795

■ 17.7158, 21.4696,
39.2873

■ 55.9588, 53.4079,
43.4364

■ 16.1742, 19.7027,
39.0275

■ 62.4803, 58.2535,
44.0279

■ 14.9496, 18.1426,
38.7909

■ 67.2354, 62.2380,
44.5464

■ 14.0061, 16.7701,
38.5757

■ 68.3018, 64.3707,
44.9019

■ 13.4311, 15.8493,
38.4283

■ 69.4021, 66.5713,
45.2686

Harmonies

Analogous

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



30.6121, 33.9145, 38.7473



31.1308, 33.9145, 40.9818



31.9519, 33.9145, 42.1446

Triad

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



31.1308, 33.9145, 40.9818



34.0084, 33.9145, 37.7456



31.6134, 33.9145, 32.3988

Complementary

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



31.1308, 33.9145, 40.9818



31.9036, 32.2845, 31.3388

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.



32.5192, 33.9145, 32.1591



31.1308, 33.9145, 40.9818



33.9136, 33.9145, 35.1648

Square

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



31.1308, 33.9145, 40.9818



33.6210, 33.9145, 40.2187



33.3644, 33.9145, 33.1491



30.8870, 33.9145, 33.8203

Rectangle

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



31.1308, 33.9145, 40.9818



32.5651, 33.9145, 42.1195



33.3644, 33.9145, 33.1491



31.9066, 33.9145, 32.1801

Sweetspot

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



31.1318, 33.9159, 40.9826



62.6427, 66.6501, 75.0384



30.8957, 35.5255, 34.4862



13.8953, 14.8141, 16.7792



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.



31.1318, 33.9159, 40.9826



54.7414, 60.0673, 74.1842



29.3953, 30.4429, 40.4037



7.5638, 8.1645, 9.5956



10.4562, 12.3727, 29.8126



0.2947, 0.3817, 0.7388

Inverse Universe

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



32.1972, 30.8966, 37.5259



57.0502, 53.6209, 66.6724



33.6610, 35.7993, 31.9246



7.7492, 7.6295, 8.9964



14.7784, 7.3201, 14.1766



0.3799, 0.1862, 0.4521

Previews

White Background



This preview shows how the XYZ color 31.1308, 33.9145, 40.9818 looks on a white background.

Color Contrast Check

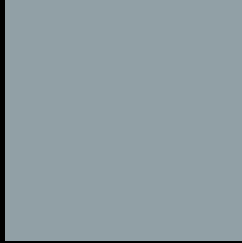
Large Text (above 18pt) WCAG AA × Fail

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 31.1308, 33.9145, 40.9818 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

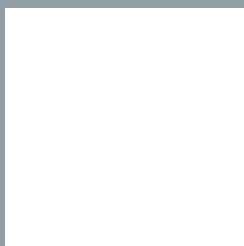
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1308, 33.9145, 40.9818

Background



This preview shows how black text looks on a background with the XYZ color 31.1308, 33.9145, 40.9818.



This preview shows how white text looks on a background with the XYZ color 31.1308, 33.9145,

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

31.1308, 33.9145, 40.9818

Protanopia

32.6899, 33.7264, 39.9089

Deuteranopia

34.5147, 33.8973, 41.2829



Tritanopia

31.6986, 33.8858, 43.8996

Trichromacy



Original Color

31.1308, 33.9145, 40.9818

Protanomaly

31.9854, 33.6029, 40.3975

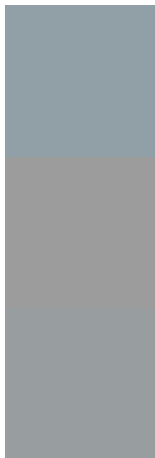
Deuteranomaly

33.3607, 34.0405, 41.3714

Tritanomaly

31.5079, 33.8095, 42.8955

Monochromacy



Original Color

31.1308, 33.9145, 40.9818

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.3510, 33.3274, 38.0382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1308, 33.9145, 40.9818 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(145, 160, 166) looks like.

```
.text, #text, p{  
    color:rgb(145, 160, 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(145, 160, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 160, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.1308, 33.9145, 40.9818 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(145, 160, 166) }
```


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

```
.border{ border-color:rgb(145, 160, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 160, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 160, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 160, 166);  
box-shadow:4px 4px 4px 4px rgb(145, 160,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1308, 33.9145, 40.9818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 160, 166) }
```

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

```
.background{ background-color: rgb(145,  
160, 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](#).

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