

Converting Colors

XYZ(31.0160, 34.2199, 40.5682)

Have a look what the booklet for
XYZ(31.0160, 34.2199, 40.5682)
contains.

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Color

**XYZ(31.0380, 34.1356,
40.5503)**

Conversions

Conversions Part 1

Format	Color
Hex	90A1A5
RGB	144, 161, 165
RGB Percent	56%, 63%, 65%
CMY	0.4353, 0.3686, 0.3529
CMYK	0.13, 0.02, 0.00, 0.35
HSL	191°, 10%, 61%
HSV	191°, 13%, 65%
XYZ	31.0380, 34.1356, 40.5503
YIQ	156.3730, -11.4160, -2.3600

Conversions

Conversions Part 2

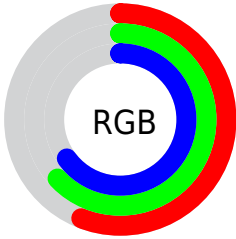
Format	Color
RYB	144, 153, 165
Decimal	9478565
CIELab	65.07, -5.13, -4.12
CIELCh	65, 6.575, 218.776
Yxy	34.1356, 0.2936, 0.3229
Android (android.graphics.Color)	4287668645 (0xFF90A1A5)
YUV	156.3730, 4.2531, -10.8511
Hunter-Lab	58.4257, -7.4188, -0.2522

Details

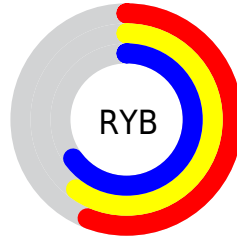
The XYZ color **31.0380, 34.1356, 40.5503** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1413, 31.1928, 30.7657**, and the grayscale version is **31.7526, 33.4062, 36.3793**.

A 20% lighter version of the original color is **60.7628, 66.2848, 77.3018**, and **13.0708, 14.6713, 17.7657** is the 20% darker color. If you saturate the color by 10%, you get **27.8223, 31.6740, 40.2452**, and if you desaturate by 10%, it is **34.6907, 36.8448, 40.8812**.

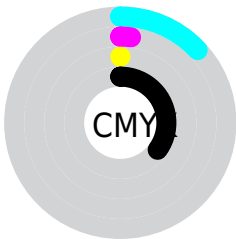
Distribution



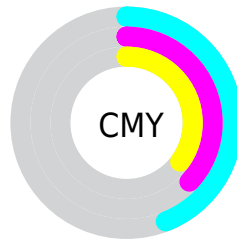
- Red (56%)
- Green (63%)
- Blue (65%)



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



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



- Cyan (44%)
- Magenta (37%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0380, 34.1356, 40.5503 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 31.0380, 34.1356, 40.5503 by changing the saturation by 10% instead.

■ 31.0380, 34.1356,
40.5503

■ 31.0380, 34.1356,
40.5503

298.5371,
320.7363, 364.0584

■ 20.7798, 22.9978,
27.6508

■ 60.6753, 66.1445,
77.2470

■ 13.0746, 14.5919,
17.8259

■ 80.7851, 87.7843,
101.8813

■ 7.5573, 8.5335,
10.6569

104.9095,
113.6937, 131.2643

■ 3.8624, 4.4382,
5.7254

133.4137,
144.2569, 165.8145

■ 1.6246, 1.9216,
2.6127

166.6633,
179.8583, 205.9505

■ 0.4084, 0.5613,
0.8990

205.0235,

■ 0.0000, 0.0000,

220.8825, 252.0907

0.0000

248.8596,
267.7136, 304.6539

■ 31.0380, 34.1356,
40.5503

■ 31.0380, 34.1356,
40.5503

■ 27.8223, 31.6740,
40.2452

■ 34.6907, 36.8448,
40.8812

■ 25.0223, 29.4462,
39.9627

■ 38.7947, 39.8063,
41.2366

■ 22.6195, 27.4432,
39.7028

■ 43.3671, 43.0300,
41.6178

■ 20.5924, 25.6541,
39.4643

■ 48.4234, 46.5242,
42.0258

■ 18.9180, 24.0665,
39.2461

■ 53.9782, 50.2964,
42.4611

■ 17.5701, 22.6671,
39.0470

■ 60.0457, 54.3540,
42.9245

■ 16.5191, 21.4402,
38.8656

■ 64.9635, 57.8403,
43.3382

■ 15.7296, 20.3676,
38.7002

■ 65.6186, 59.1506,
43.5566

■ 15.2600, 19.6535,
38.5871

■ 66.2883, 60.4900,
43.7799

Harmonies

Analogous

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



30.6684, 34.1356, 37.9739



31.0380, 34.1356, 40.5503



31.7864, 34.1356, 42.2744

Triad

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



31.0380, 34.1356, 40.5503



34.1821, 34.1356, 39.0991



32.1662, 34.1356, 32.2217

Complementary

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



31.0380, 34.1356, 40.5503



31.1413, 31.1928, 30.7657

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.



33.1124, 34.1356, 32.4900



31.0380, 34.1356, 40.5503



34.2886, 34.1356, 36.3734

Square

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



31.0380, 34.1356, 40.5503



33.6054, 34.1356, 41.4085



33.8936, 34.1356, 33.9790



31.3114, 34.1356, 33.2271

Rectangle

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



31.0380, 34.1356, 40.5503



32.4058, 34.1356, 42.6619



33.8936, 34.1356, 33.9790



32.4840, 34.1356, 32.1670

Sweetspot

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



31.0390, 34.1370, 40.5511



61.2007, 65.3064, 73.1321



30.2908, 34.9736, 33.1095



13.2721, 14.1982, 15.9785



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.



31.0390, 34.1370, 40.5511



54.0473, 59.9712, 72.4793



29.3041, 30.6673, 39.9728



7.1610, 7.7810, 9.0275



11.5786, 14.9365, 29.2026



0.2711, 0.3695, 0.6229

Inverse Universe

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



31.9241, 30.5198, 37.9281



55.9277, 52.3690, 66.8887



32.8383, 34.5869, 31.3314



7.3062, 7.1789, 8.5990



14.9898, 7.3520, 17.6687



0.3290, 0.1601, 0.4453

Previews

White Background



This preview shows how the XYZ color 31.0380, 34.1356, 40.5503 looks on a white background.

Color Contrast Check

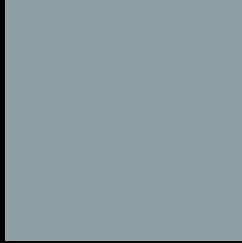
Large Text (above 18pt) WCAG AA × Fail

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 31.0380, 34.1356, 40.5503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

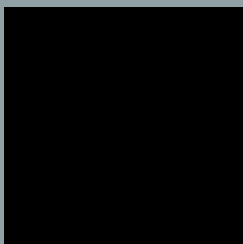
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

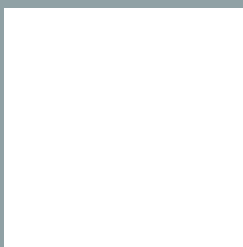
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0380, 34.1356, 40.5503

Background



This preview shows how black text looks on a background with the XYZ color 31.0380, 34.1356, 40.5503.



This preview shows how white text looks on a background with the XYZ color 31.0380, 34.1356,

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

31.0380, 34.1356, 40.5503

Protanopia

32.9659, 34.1292, 39.5004

Deuteranopia

34.7285, 34.0075, 41.2929



Tritanopia

31.7907, 34.1785, 44.4567

Trichromacy



Original Color

31.0380, 34.1356, 40.5503

Protanomaly

32.2541, 34.0041, 39.9854

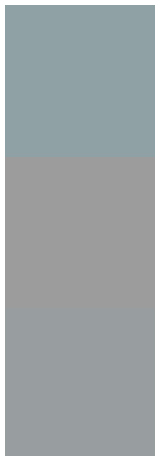
Deuteranomaly

33.2686, 34.0037, 40.8863

Tritanomaly

31.5036, 34.0636, 42.9447

Monochromacy



Original Color

31.0380, 34.1356, 40.5503

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4338, 33.6323, 37.6358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0380, 34.1356, 40.5503 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, 161, 165) looks like.

```
.text, #text, p{  
    color:rgb(144, 161, 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, 161, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 161, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.0380, 34.1356, 40.5503 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, 161, 165) }
```


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

```
.border{ border-color:rgb(144, 161, 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, 161, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 161, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 161, 165);  
box-shadow:4px 4px 4px 4px rgb(144, 161,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0380, 34.1356, 40.5503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 161, 165) }
```

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

```
.background{ background-color: rgb(144,  
161, 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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