

Converting Colors

XYZ(31.8287, 34.3474, 38.1127)

Have a look what the booklet for
XYZ(31.8287, 34.3474, 38.1127)
contains.

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Color

**XYZ(31.8649, 34.3551,
38.2094)**

Conversions

Conversions Part 1

Format	Color
Hex	98A0A0
RGB	152, 160, 160
RGB Percent	60%, 63%, 63%
CMY	0.4039, 0.3725, 0.3725
CMYK	0.05, 0.00, 0.00, 0.37
HSL	180°, 4%, 61%
HSV	180°, 5%, 63%
XYZ	31.8649, 34.3551, 38.2094
YIQ	157.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

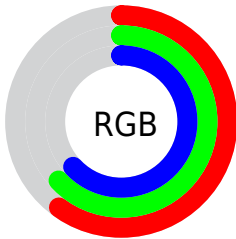
Format	Color
RYB	152, 156, 160
Decimal	10002592
CIELab	65.24, -2.84, -0.99
CIELCh	65, 3.011, 199.289
Yxy	34.3551, 0.3051, 0.3290
Android (android.graphics.Color)	4288192672 (0xFF98A0A0)
YUV	157.6080, 1.1793, -4.9182
Hunter-Lab	58.6132, -5.5322, 2.3787

Details

The XYZ color **31.8649, 34.3551, 38.2094** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.3943, 32.1980, 34.2677**, and the grayscale version is **32.3192, 34.0023, 37.0285**.

A 20% lighter version of the original color is **62.0198, 66.6290, 73.8819**, and **13.5958, 14.8081, 16.6097** is the 20% darker color. If you saturate the color by 10%, you get **29.0698, 32.9152, 38.0768**, and if you desaturate by 10%, it is **35.0660, 36.0062, 38.3624**.

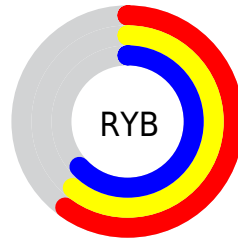
Distribution



Red (60%)

Green (63%)

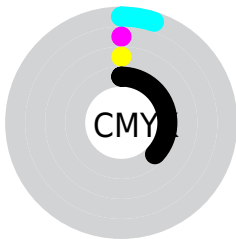
Blue (63%)



Red (60%)

Yellow (61%)

Blue (63%)

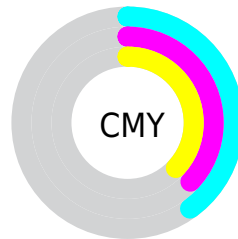


Cyan (5%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (40%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8649, 34.3551, 38.2094 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 31.8649, 34.3551, 38.2094 by changing the saturation by 10% instead.

■ 31.8649, 34.3551,
38.2094

■ 31.8649, 34.3551,
38.2094

302.2596,
321.7125, 353.8425

■ 21.4134, 23.1665,
25.8422

■ 61.9659, 66.4855,
73.6360

■ 13.5407, 14.7165,
16.4809

■ 82.3460, 88.1961,
97.5324

■ 7.8815, 8.6207,
9.7071

106.7664,
114.1829, 126.1089

■ 4.0704, 4.4946,
5.1021

135.5924,
144.8302, 159.7841

■ 1.7420, 1.9539,
2.2475

169.1894,
180.5224, 198.9765

■ 0.4824, 0.5805,
0.7016

207.9227,

■ 0.0000, 0.0000,

221.6439, 244.1047

0.0000

252.1576,
268.5792, 295.5872

■ 31.8649, 34.3551,
38.2094

■ 31.8649, 34.3551,
38.2094

■ 29.0698, 32.9152,
38.0768

■ 35.0660, 36.0062,
38.3624

■ 26.6616, 31.6738,
37.9616

■ 38.6854, 37.8720,
38.5343

■ 24.6242, 30.6235,
37.8638

■ 42.7382, 39.9613,
38.7264

■ 22.9393, 29.7550,
37.7825

■ 47.2384, 42.2812,
38.9395

■ 21.5868, 29.0578,
37.7167

■ 52.1989, 44.8383,
39.1741

■ 20.5447, 28.5206,
37.6655

■ 57.6323, 47.6393,
39.4309

■ 19.7884, 28.1308,
37.6276

■ 60.1600, 48.9423,
39.5516

■ 19.2896, 27.8737,
37.6018

■ 60.1605, 48.9425,
39.5541

■ 19.0126, 27.7309,
37.5863

■ 60.1610, 48.9427,
39.5566

Harmonies

Analogous

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



31.8328, 34.3551, 36.9603



31.8649, 34.3551, 38.2094



32.1072, 34.3551, 39.2654

Triad

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



31.8649, 34.3551, 38.2094



33.2961, 34.3551, 39.0024



32.8103, 34.3551, 35.0863

Complementary

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



31.8649, 34.3551, 38.2094



31.3943, 32.1980, 34.2677

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.



33.2060, 34.3551, 35.6079



31.8649, 34.3551, 38.2094



33.4881, 34.3551, 37.8570

Square

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



31.8649, 34.3551, 38.2094



32.9325, 34.3551, 39.7303



33.4550, 34.3551, 36.6156



32.3760, 34.3551, 35.1759

Rectangle

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



31.8649, 34.3551, 38.2094



32.3565, 34.3551, 39.7090



33.4550, 34.3551, 36.6156



32.9523, 34.3551, 35.1955

Sweetspot

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



31.8659, 34.3566, 38.2102



59.5001, 63.2258, 69.4534



31.2132, 34.0984, 34.6429



13.0642, 13.8741, 15.2329



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.8659, 34.3566, 38.2102



57.2548, 62.0684, 69.3465



31.2060, 33.0363, 37.9914



6.9996, 7.6011, 8.5046



14.7316, 21.5606, 29.2732



0.2634, 0.3855, 0.5236

Inverse Universe

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



31.3943, 32.1980, 34.2677



56.2154, 57.3111, 60.6576



32.0321, 33.4741, 34.4793



6.8651, 6.9856, 7.3803



11.2934, 5.8219, 0.5299



0.2020, 0.1041, 0.0096

Previews

White Background



This preview shows how the XYZ color 31.8649, 34.3551, 38.2094 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 31.8649, 34.3551, 38.2094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

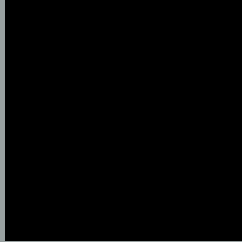
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

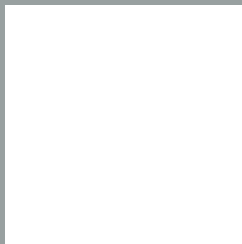
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8649, 34.3551, 38.2094

Background



This preview shows how black text looks on a background with the XYZ color 31.8649, 34.3551, 38.2094.



This preview shows how white text looks on a background with the XYZ color 31.8649, 34.3551,

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

31.8649, 34.3551, 38.2094

Protanopia

33.0129, 34.1942, 37.6611

Deuteranopia

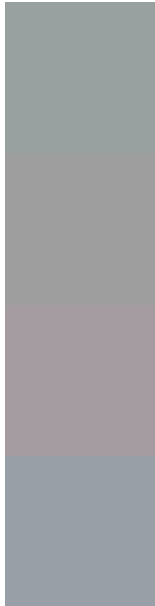
34.8375, 34.1263, 38.4691



Tritanopia

32.9040, 34.2640, 43.4075

Trichromacy



Original Color

31.8649, 34.3551, 38.2094

Protanomaly

32.5854, 34.2260, 37.6897

Deuteranomaly

33.8385, 34.3495, 38.5648

Tritanomaly

32.5101, 34.3586, 41.4776

Monochromacy



Original Color

31.8649, 34.3551, 38.2094

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.3664, 34.3674, 37.7286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8649, 34.3551, 38.2094 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(152, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(152, 160, 160)  
}
```

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(152, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 160, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.8649, 34.3551, 38.2094 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(152, 160, 160) }
```


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

```
.border{ border-color:rgb(152, 160, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 160, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(152, 160,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8649, 34.3551, 38.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 160, 160) }
```

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

```
.background{ background-color: rgb(152,  
160, 160) }
```

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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