

Converting Colors

XYZ(31.8565, 33.9699, 38.5964)

Have a look what the booklet for
XYZ(31.8565, 33.9699, 38.5964)
contains.

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Color

**XYZ(31.9680, 34.1418,
38.6233)**

Conversions

Conversions Part 1

Format	Color
Hex	999FA1
RGB	153, 159, 161
RGB Percent	60%, 62%, 63%
CMY	0.4000, 0.3765, 0.3686
CMYK	0.05, 0.01, 0.00, 0.37
HSL	195°, 4%, 62%
HSV	195°, 5%, 63%
XYZ	31.9680, 34.1418, 38.6233
YIQ	157.4340, -4.2180, -0.6500

Conversions

Conversions Part 2

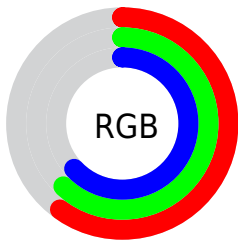
Format	Color
RYB	153, 156, 161
Decimal	10067873
CIELab	65.07, -1.74, -1.79
CIELCh	65, 2.499, 225.828
Yxy	34.1418, 0.3052, 0.3260
Android (android.graphics.Color)	4288257953 (0xFF999FA1)
YUV	157.4340, 1.7580, -3.8886
Hunter-Lab	58.4310, -4.5956, 1.7106

Details

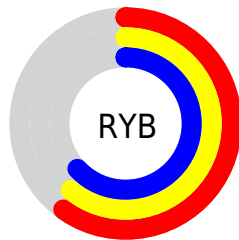
The XYZ color **31.9680, 34.1418, 38.6233** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1690, 33.3192, 34.8732**, and the grayscale version is **32.2378, 33.9167, 36.9353**.

A 20% lighter version of the original color is **62.1734, 66.3164, 74.4892**, and **13.6565, 14.6757, 16.8648** is the 20% darker color. If you saturate the color by 10%, you get **28.4522, 31.3208, 38.2646**, and if you desaturate by 10%, it is **35.9183, 37.2221, 39.0102**.

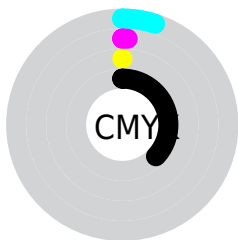
Distribution



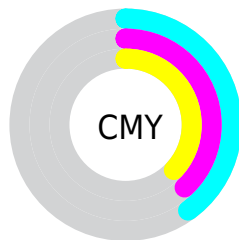
- Red (60%)
- Green (62%)
- Blue (63%)



- Red (60%)
- Yellow (61%)
- Blue (63%)



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (37%)



- Cyan (40%)
- Magenta (38%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9680, 34.1418, 38.6233 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 31.9680, 34.1418, 38.6233 by changing the saturation by 10% instead.

■ 31.9680, 34.1418,
38.6233

■ 31.9680, 34.1418,
38.6233

302.7213,
320.7639, 355.6643

■ 21.4925, 23.0026,
26.1612

■ 62.1265, 66.1541,
74.2765

■ 13.5990, 14.5954,
16.7174

■ 82.5401, 87.7960,
98.3047

■ 7.9221, 8.5359,
9.8734

106.9972,
113.7075, 127.0253

■ 4.0965, 4.4397,
5.2106

135.8630,
144.2731, 160.8570

■ 1.7569, 1.9225,
2.3105

169.5030,
179.8771, 200.2181

■ 0.4915, 0.5618,
0.7371

208.2825,

■ 0.0000, 0.0000,

220.9040, 245.5274

0.0000

252.5668,
267.7381, 297.2033

■ 31.9680, 34.1418,
38.6233

■ 31.9680, 34.1418,
38.6233

■ 28.4522, 31.3208,
38.2646

■ 35.9183, 37.2221,
39.0102

■ 25.3514, 28.7458,
37.9310

■ 40.3158, 40.5656,
39.4238

■ 22.6490, 26.4090,
37.6224

■ 45.1762, 44.1818,
39.8656

■ 20.3261, 24.3002,
37.3378

■ 50.5137, 48.0781,
40.3363

■ 18.3623, 22.4086,
37.0762

■ 56.3416, 52.2619,
40.8367

■ 16.7348, 20.7222,
36.8365

■ 62.6731, 56.7402,
41.3674

■ 15.4186, 19.2277,
36.6174

■ 65.4730, 59.4330,
41.7396

■ 14.3845, 17.9097,
36.4175

■ 66.3385, 61.1641,
42.0281

■ 13.5964, 16.7492,
36.2350

■ 67.2281, 62.9432,
42.3246

Harmonies

Analogous

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



31.7855, 34.1418, 37.7212



31.9680, 34.1418, 38.6233



32.2806, 34.1418, 39.1417

Triad

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



31.9680, 34.1418, 38.6233



33.1305, 34.1418, 37.6650



32.2612, 34.1418, 35.2890

Complementary

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



31.9680, 34.1418, 38.6233



32.1690, 33.3192, 34.8732

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.



32.6215, 34.1418, 35.2745



31.9680, 34.1418, 38.6233



33.1252, 34.1418, 36.6334

Square

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



31.9680, 34.1418, 38.6233



32.9527, 34.1418, 38.5815



32.9383, 34.1418, 35.7626



31.9539, 34.1418, 35.8024

Rectangle

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



31.9680, 34.1418, 38.6233



32.5215, 34.1418, 39.1939



32.9383, 34.1418, 35.7626



32.3801, 34.1418, 35.2259

Sweetspot

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



31.9690, 34.1433, 38.6241



59.9527, 63.2692, 69.4389



31.7874, 34.6246, 35.9600



13.1577, 13.8831, 15.2299



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.



31.9690, 34.1433, 38.6241



56.4939, 60.5458, 69.0955



31.3139, 32.8331, 38.4057



7.3608, 7.8979, 9.0396



10.6133, 13.0061, 28.8808



0.2570, 0.3412, 0.6182

Inverse Universe

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



32.3479, 32.8633, 37.4410



57.3246, 57.7548, 66.4986



32.8234, 34.6279, 35.0913



7.4761, 7.5112, 8.6789



14.5026, 7.1571, 15.1031



0.3219, 0.1572, 0.4076

Previews

White Background



This preview shows how the XYZ color 31.9680, 34.1418, 38.6233 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 31.9680, 34.1418, 38.6233 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

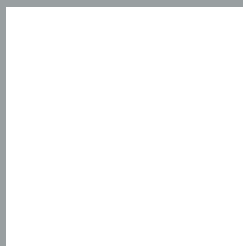
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9680, 34.1418, 38.6233

Background



This preview shows how black text looks on a background with the XYZ color 31.9680, 34.1418, 38.6233.



This preview shows how white text looks on a background with the XYZ color 31.9680, 34.1418,

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

31.9680, 34.1418, 38.6233

Protanopia

32.8993, 34.1256, 38.1106

Deuteranopia

34.7074, 34.0490, 38.9253



Tritanopia

32.8090, 34.2260, 42.9073

Trichromacy



Original Color

31.9680, 34.1418, 38.6233

Protanomaly

32.4767, 34.1599, 38.1395

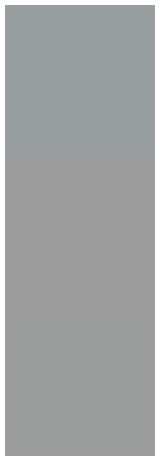
Deuteranomaly

33.5528, 33.9438, 38.9658

Tritanomaly

32.5283, 34.1138, 41.4294

Monochromacy



Original Color

31.9680, 34.1418, 38.6233

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1087, 33.9903, 37.2162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9680, 34.1418, 38.6233 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(153, 159, 161)` looks like.

```
.text, #text, p{  
    color:rgb(153, 159, 161)  
}
```

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(153, 159, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 159, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.9680, 34.1418, 38.6233 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(153, 159, 161) }
```


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

```
.border{ border-color:rgb(153, 159, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 159, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 159, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 159, 161);  
box-shadow:4px 4px 4px 4px rgb(153, 159,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9680, 34.1418, 38.6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 159, 161) }
```

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

```
.background{ background-color: rgb(153,  
159, 161) }
```

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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