

Converting Colors

XYZ(32.0224, 33.7391, 38.0923)

Have a look what the booklet for
XYZ(32.0224, 33.7391, 38.0923)
contains.

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Color

**XYZ(31.9197, 33.6206,
38.0648)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9DA0
RGB	155, 157, 160
RGB Percent	61%, 62%, 63%
CMY	0.3922, 0.3843, 0.3725
CMYK	0.03, 0.02, 0.00, 0.37
HSL	216°, 3%, 62%
HSV	216°, 3%, 63%
XYZ	31.9197, 33.6206, 38.0648
YIQ	156.7440, -2.1550, 0.5090

Conversions

Conversions Part 2

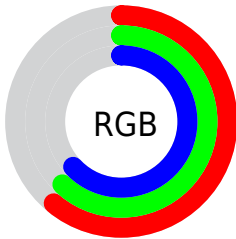
Format	Color
RYB	155, 156, 160
Decimal	10198432
CIELab	64.66, -0.13, -1.82
CIELCh	65, 1.827, 265.937
Yxy	33.6206, 0.3081, 0.3245
Android (android.graphics.Color)	4288388512 (0xFF9B9DA0)
YUV	156.7440, 1.6052, -1.5295
Hunter-Lab	57.9833, -3.2068, 1.6657

Details

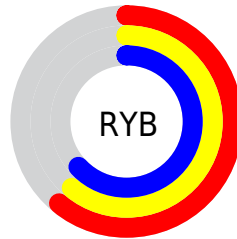
The XYZ color **31.9197, 33.6206, 38.0648** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.6405, 34.2934, 35.9097**, and the grayscale version is **31.9273, 33.5900, 36.5796**.

A 20% lighter version of the original color is **62.1037, 65.5486, 73.6689**, and **13.6233, 14.3553, 16.5208** is the 20% darker color. If you saturate the color by 10%, you get **27.4909, 29.0232, 37.4114**, and if you desaturate by 10%, it is **36.8847, 38.6854, 38.7812**.

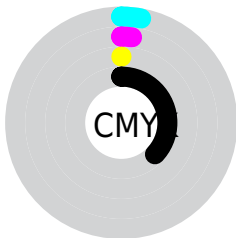
Distribution



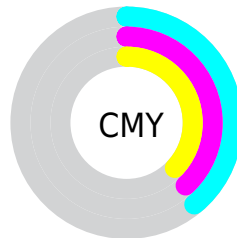
- Red (61%)
- Green (62%)
- Blue (63%)



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



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (37%)



- Cyan (39%)
- Magenta (38%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9197, 33.6206, 38.0648 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 31.9197, 33.6206, 38.0648 by changing the saturation by 10% instead.

■ 31.9197, 33.6206,
38.0648

■ 31.9197, 33.6206,
38.0648

302.5051,
318.4370, 353.2044

■ 21.4554, 22.6023,
25.7308

■ 62.0512, 65.3432,
73.4120

■ 13.5717, 14.3001,
16.3984

■ 82.4492, 86.8163,
97.2622

■ 7.9031, 8.3297,
9.6491

106.8891,
112.5432, 125.7882

■ 4.0843, 4.3066,
5.0644

135.7363,
142.9081, 159.4086

■ 1.7499, 1.8465,
2.2257

169.3561,
178.2956, 198.5419

■ 0.4872, 0.5159,
0.6891

208.1140,

■ 0.0000, 0.0000,

219.0900, 243.6065

0.0000

252.3752,
265.6756, 295.0212

■ 31.9197, 33.6206,
38.0648

■ 31.9197, 33.6206,
38.0648

■ 27.4909, 29.0232,
37.4114

■ 36.8847, 38.6854,
38.7812

■ 23.5767, 24.8750,
36.8170

■ 42.4009, 44.2267,
39.5601

■ 20.1581, 21.1626,
36.2806

■ 48.4862, 50.2587,
40.4036

■ 17.2138, 17.8704,
35.8003

■ 55.1568, 56.7937,
41.3134

■ 14.7208, 14.9817,
35.3741

■ 62.4282, 63.8435,
42.2909

■ 12.6543, 12.4786,
34.9999

■ 70.3155, 71.4195,
43.3376

■ 10.9865, 10.3416,
34.6753

■ 74.2788, 77.1851,
44.2415

■ 9.6862, 8.5490,
34.3978

■ 76.9318, 82.4911,
45.1259

■ 8.7165, 7.0758,
34.1646

■ 79.7325, 88.0926,
46.0595

Harmonies

Analogous

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



31.6741, 33.6206, 37.8151



31.9197, 33.6206, 38.0648



32.1762, 33.6206, 37.9196

Triad

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



31.9197, 33.6206, 38.0648



32.4104, 33.6206, 35.9799



31.5400, 33.6206, 35.8052

Complementary

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



31.9197, 33.6206, 38.0648



32.6405, 34.2934, 35.9097

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.



31.7356, 33.6206, 35.3253



31.9197, 33.6206, 38.0648



32.2383, 33.6206, 35.4252

Square

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



31.9197, 33.6206, 38.0648



32.4604, 33.6206, 36.7094



31.9911, 33.6206, 35.1871



31.4556, 33.6206, 36.5050

Rectangle

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



31.9197, 33.6206, 38.0648



32.3186, 33.6206, 37.6194



31.9911, 33.6206, 35.1871



31.5948, 33.6206, 35.6132

Sweetspot

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



31.9207, 33.6220, 38.0655



59.7741, 62.9121, 69.3793



32.2532, 34.5765, 37.2846



13.1209, 13.8094, 15.2176



76.7382, 80.7346, 87.9200



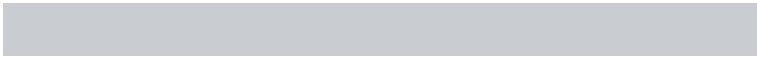
13.3056, 13.9985, 15.2444

Same Dimension

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



31.9207, 33.6220, 38.0655



57.1509, 60.2161, 68.9972



31.6647, 32.9911, 37.9572



6.9540, 7.3282, 8.4547



6.4159, 4.9233, 26.5194



0.1549, 0.1684, 0.4876

Inverse Universe

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



32.3051, 33.3512, 36.6348



58.0574, 59.5840, 65.6220



32.9018, 34.9394, 36.0207



7.0796, 7.2411, 7.9868



12.0366, 6.1192, 4.4440



0.2355, 0.1175, 0.1863

Previews

White Background



This preview shows how the XYZ color 31.9197, 33.6206, 38.0648 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 31.9197, 33.6206, 38.0648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

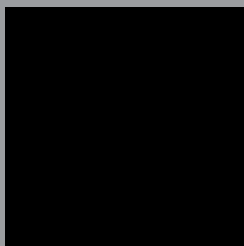
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

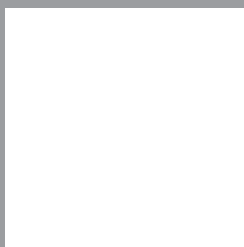
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9197, 33.6206, 38.0648

Background



This preview shows how black text looks on a background with the XYZ color 31.9197, 33.6206, 38.0648.

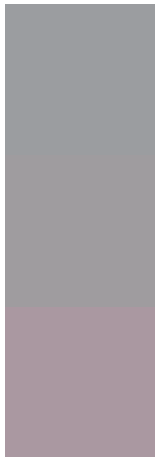


This preview shows how white text looks on a background with the XYZ color 31.9197, 33.6206,

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

31.9197, 33.6206, 38.0648

Protanopia

32.4446, 33.6511, 37.5862

Deuteranopia

34.2388, 33.5757, 38.3944



Tritanopia

32.6667, 33.6720, 41.8234

Trichromacy



Original Color

31.9197, 33.6206, 38.0648

Protanomaly

32.2470, 33.5492, 37.5769

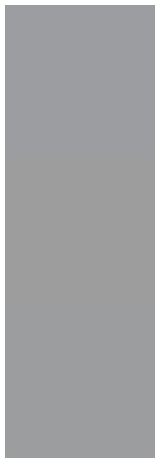
Deuteranomaly

33.5057, 33.6837, 38.4539

Tritanomaly

32.3903, 33.5615, 40.3682

Monochromacy



Original Color

31.9197, 33.6206, 38.0648

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9388, 33.6505, 37.1596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9197, 33.6206, 38.0648 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(155, 157, 160)` looks like.

```
.text, #text, p{  
    color:rgb(155, 157, 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(155, 157, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 157, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.9197, 33.6206, 38.0648 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(155, 157, 160) }
```


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

```
.border{ border-color:rgb(155, 157, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 157, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 157, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 157, 160);  
box-shadow:4px 4px 4px 4px rgb(155, 157,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9197, 33.6206, 38.0648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 157, 160) }
```

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

```
.background{ background-color: rgb(155,  
157, 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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