

Converting Colors

XYZ(31.0936, 32.6022, 39.0373)

Have a look what the booklet for
XYZ(31.0936, 32.6022, 39.0373)
contains.

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Color

**XYZ(31.1918, 32.7267,
38.8553)**

Conversions

Conversions Part 1

Format	Color
Hex	989BA2
RGB	152, 155, 162
RGB Percent	60%, 61%, 64%
CMY	0.4039, 0.3921, 0.3647
CMYK	0.06, 0.04, 0.00, 0.36
HSL	222°, 5%, 62%
HSV	222°, 6%, 64%
XYZ	31.1918, 32.7267, 38.8553
YIQ	154.9010, -4.0350, 1.5410

Conversions

Conversions Part 2

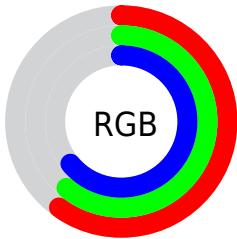
Format	Color
RYB	152, 154, 162
Decimal	10001314
CIELab	63.94, 0.32, -4.03
CIELCh	64, 4.047, 274.499
Yxy	32.7267, 0.3035, 0.3184
Android (android.graphics.Color)	4288191394 (0xFF989BA2)
YUV	154.9010, 3.4998, -2.5442
Hunter-Lab	57.2073, -2.7870, -0.2248

Details

The XYZ color **31.1918, 32.7267, 38.8553** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9660, 34.7443, 34.6751**, and the grayscale version is **31.0990, 32.7186, 35.6305**.

A 20% lighter version of the original color is **60.7784, 63.7325, 74.7439**, and **13.1316, 13.7931, 16.7221** is the 20% darker color. If you saturate the color by 10%, you get **26.5657, 27.6722, 38.1240**, and if you desaturate by 10%, it is **36.4111, 38.3517, 39.6665**.

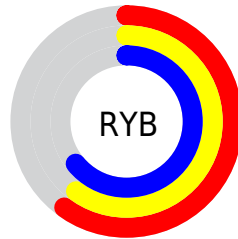
Distribution



Red (60%)

Green (61%)

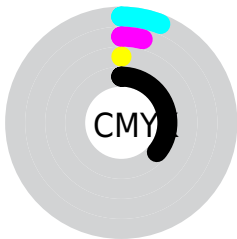
Blue (64%)



Red (60%)

Yellow (60%)

Blue (64%)

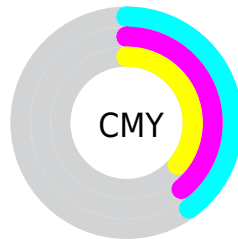


Cyan (6%)

Magenta (4%)

Yellow (0%)

Black (36%)



Cyan (40%)

Magenta (39%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1918, 32.7267, 38.8553 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 31.1918, 32.7267, 38.8553 by changing the saturation by 10% instead.

■ 31.1918, 32.7267,
38.8553

■ 31.1918, 32.7267,
38.8553

299.2321,
314.4164, 356.6825

■ 20.8975, 21.9172,
26.3402

■ 60.9157, 63.9486,
74.6351

■ 13.1611, 13.7960,
16.8503

■ 81.0760, 85.1298,
98.7369

■ 7.6174, 7.9789,
9.9670

105.2557,
110.5369, 127.5381

■ 3.9008, 4.0815,
5.2717

133.8201,
140.5545, 161.4571

■ 1.6462, 1.7192,
2.3461

167.1346,
175.5668, 200.9125

■ 0.4222, 0.4361,
0.7569

205.5645,

■ 0.0000, 0.0000,

215.9583, 246.3228

0.0000

249.4752,
262.1134, 298.1066

■ 31.1918, 32.7267,
38.8553

■ 31.1918, 32.7267,
38.8553

■ 26.5657, 27.6722,
38.1240

■ 36.4111, 38.3517,
39.6665

■ 22.5085, 23.1659,
37.4680

■ 42.2411, 44.5605,
40.5576

■ 18.9981, 19.1897,
36.8856

■ 48.7022, 51.3713,
41.5317

■ 16.0102, 15.7231,
36.3739

■ 55.8129, 58.7998,
42.5907

■ 13.5183, 12.7443,
35.9303

■ 63.5910, 66.8616,
43.7369

■ 11.4935, 10.2296,
35.5516

■ 72.0535, 75.5715,
44.9720

■ 9.9038, 8.1532,
35.2346

■ 77.2859, 82.9171,
46.1141

■ 8.7127, 6.4863,
34.9757

■ 80.6238, 89.5929,
47.2267

■ 7.8715, 5.1930,
34.7704

■ 83.5217, 95.3887,
48.1927

Harmonies

Analogous

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



30.6363, 32.7267, 38.5425



31.1918, 32.7267, 38.8553



31.7306, 32.7267, 38.2836

Triad

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



31.1918, 32.7267, 38.8553



32.0177, 32.7267, 33.8855



30.1270, 32.7267, 34.2996

Complementary

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



31.1918, 32.7267, 38.8553



32.9660, 34.7443, 34.6751

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.



30.4891, 32.7267, 33.1092



31.1918, 32.7267, 38.8553



31.5800, 32.7267, 32.8753

Square

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



31.1918, 32.7267, 38.8553



32.2111, 32.7267, 35.3882



31.0199, 32.7267, 32.5955



30.0259, 32.7267, 35.8806

Rectangle

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



31.1918, 32.7267, 38.8553



32.0065, 32.7267, 37.4877



31.0199, 32.7267, 32.5955



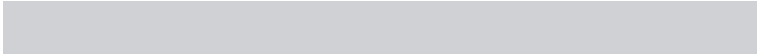
30.2220, 32.7267, 33.8420

Sweetspot

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



31.1927, 32.7281, 38.8560



60.4123, 63.5093, 71.1306



32.1133, 35.0140, 37.7914



13.5929, 14.2904, 15.9794



78.6606, 82.7571, 90.1225



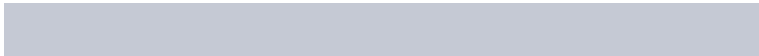
14.0027, 14.7319, 16.0430

Same Dimension

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



31.1927, 32.7281, 38.8560



55.7748, 58.4891, 70.4060



31.0451, 31.9193, 38.7077



7.0712, 7.4141, 8.9614



6.0252, 3.8299, 27.3515



0.1661, 0.1595, 0.5879

Inverse Universe

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



32.0456, 32.5050, 35.5971



57.5552, 58.0328, 63.6009



33.1189, 35.5989, 34.8320



7.3066, 7.3542, 8.0615



12.1867, 6.2308, 2.9080



0.2760, 0.1389, 0.1662

Previews

White Background



This preview shows how the XYZ color 31.1918, 32.7267, 38.8553 looks on a white background.

Color Contrast Check

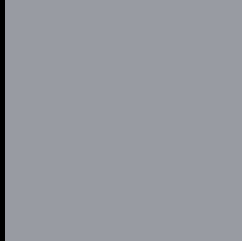
Large Text (above 18pt) WCAG AA × Fail

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 31.1918, 32.7267, 38.8553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

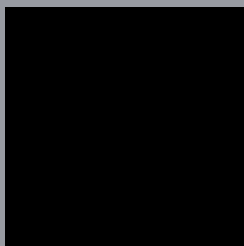
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1918, 32.7267, 38.8553

Background



This preview shows how black text looks on a background with the XYZ color 31.1918, 32.7267, 38.8553.



This preview shows how white text looks on a background with the XYZ color 31.1918, 32.7267,

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

31.1918, 32.7267, 38.8553

Protanopia

31.6989, 32.7523, 38.3693

Deuteranopia

33.2431, 32.5640, 39.1837



Tritanopia

31.5754, 32.6367, 40.7117

Trichromacy



Original Color

31.1918, 32.7267, 38.8553

Protanomaly

31.5062, 32.6530, 38.3603

Deuteranomaly

32.5370, 32.6779, 39.2429

Tritanomaly

31.4840, 32.6001, 40.2304

Monochromacy



Original Color

31.1918, 32.7267, 38.8553

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2193, 32.7813, 37.0297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1918, 32.7267, 38.8553 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, 155, 162)` looks like.

```
.text, #text, p{  
    color:rgb(152, 155, 162)  
}
```

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, 155, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 155, 162) }
```

Border

The CSS property to change the border of an element to XYZ 31.1918, 32.7267, 38.8553 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, 155, 162) }
```


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

```
.border{ border-color:rgb(152, 155, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 155, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 155, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 155, 162);  
box-shadow:4px 4px 4px 4px rgb(152, 155,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1918, 32.7267, 38.8553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 155, 162) }
```

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

```
.background{ background-color: rgb(152,  
155, 162) }
```

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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