

Converting Colors

XYZ(31.1216, 31.3744, 37.0340)

Have a look what the booklet for
XYZ(31.1216, 31.3744, 37.0340)
contains.

XYZ(31.1060, 31.2672, 37.1966)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.1060, 31.2672,
37.1966)**

Conversions

Conversions Part 1

Format	Color
Hex	9E959F
RGB	158, 149, 159
RGB Percent	62%, 58%, 62%
CMY	0.3804, 0.4157, 0.3765
CMYK	0.01, 0.06, 0.00, 0.38
HSL	294°, 5%, 60%
HSV	294°, 6%, 62%
XYZ	31.1060, 31.2672, 37.1966
YIQ	152.8310, 2.1540, 5.0180

Conversions

Conversions Part 2

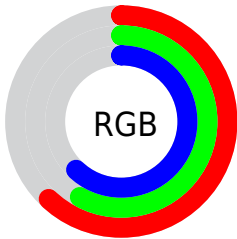
Format	Color
R_{YB}	158, 149, 159
Decimal	10392991
CIE _{Lab}	62.73, 5.20, -4.07
CIE _{LCh}	63, 6.602, 321.982
Yxy	31.2672, 0.3124, 0.3140
Android (android.graphics.Color)	4288583071 (0xFF9E959F)
YUV	152.8310, 3.0413, 4.5332
Hunter-Lab	55.9171, 1.4425, -0.2983

Details

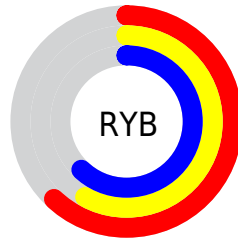
The XYZ color **31.1060, 31.2672, 37.1966** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.4018, 33.4511, 33.2897**, and the grayscale version is **30.1921, 31.7644, 34.5915**.

A 20% lighter version of the original color is **60.9341, 61.7130, 72.3186**, and **13.1379, 12.9439, 15.9933** is the 20% darker color. If you saturate the color by 10%, you get **28.4497, 26.4157, 36.4006**, and if you desaturate by 10%, it is **34.1116, 36.8104, 38.1086**.

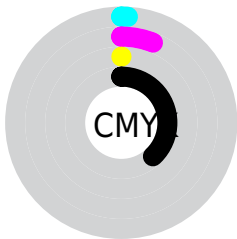
Distribution



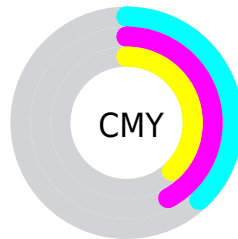
- Red (62%)
- Green (58%)
- Blue (62%)



- Red (62%)
- Yellow (58%)
- Blue (62%)



- Cyan (1%)
- Magenta (6%)
- Yellow (0%)
- Black (38%)



- Cyan (38%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1060, 31.2672, 37.1966 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 31.1060, 31.2672, 37.1966 by changing the saturation by 10% instead.

■ 31.1060, 31.2672,
37.1966

■ 31.1060, 31.2672,
37.1966

298.8445,
307.7674, 349.3552

■ 20.8318, 20.8024,
25.0628

■ 60.7816, 61.6605,
72.0648

■ 13.1129, 12.9796,
15.9044

■ 80.9138, 82.3578,
95.6362

■ 7.5838, 7.4145,
9.3029

105.0626,
107.2347, 123.8572

■ 3.8794, 3.7227,
4.8398

133.5935,
136.6757, 157.1463

■ 1.6341, 1.5197,
2.0965

166.8717,
171.0650, 195.9222

■ 0.4145, 0.3025,
0.6137

205.2628,

■ 0.0000, 0.0000,

210.7871, 240.6032

0.0000

249.1319,
256.2265, 291.6081

■ 31.1060, 31.2672,
37.1966

■ 31.1060, 31.2672,
37.1966

■ 28.4497, 26.4157,
36.4006

■ 34.1116, 36.8104,
38.1086

■ 26.1262, 22.2241,
35.7140

■ 37.4768, 43.0673,
39.1389

■ 24.1216, 18.6643,
35.1326

■ 41.2149, 50.0640,
40.2924

■ 22.4199, 15.7046,
34.6510

■ 45.3377, 57.8240,
41.5730

■ 21.0040, 13.3103,
34.2635

■ 49.8565, 66.3699,
42.9843

■ 19.8547, 11.4435,
33.9637

■ 54.7821, 75.7231,
44.5301

■ 18.9507, 10.0614,
33.7446

■ 58.4091, 82.4731,
45.6418

■ 18.2673, 9.1145,
33.5978

■ 58.7527, 82.6503,
45.6579

■ 17.7692, 8.5325,
33.5118

■ 59.1006, 82.8296,
45.6741

Harmonies

Analogous

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



30.3725, 31.2672, 38.8617



31.1060, 31.2672, 37.1966



31.4693, 31.2672, 34.7422

Triad

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



31.1060, 31.2672, 37.1966



29.9611, 31.2672, 29.3590



28.1390, 31.2672, 35.9381

Complementary

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



31.1060, 31.2672, 37.1966



30.4018, 33.4511, 33.2897

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.



28.0339, 31.2672, 33.3565



31.1060, 31.2672, 37.1966



29.0740, 31.2672, 29.6431

Square

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



31.1060, 31.2672, 37.1966



30.7996, 31.2672, 30.2794



28.3730, 31.2672, 31.0760



28.6630, 31.2672, 38.1098

Rectangle

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



31.1060, 31.2672, 37.1966



31.4477, 31.2672, 33.0238



28.3730, 31.2672, 31.0760



28.0540, 31.2672, 35.0864

Sweetspot

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



31.1069, 31.2685, 37.1973



57.9181, 60.0624, 67.2840



29.5867, 30.7602, 37.1793



13.0719, 13.5674, 15.1735



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.



31.1069, 31.2685, 37.1973



54.7751, 54.2857, 66.3347



30.9769, 31.2394, 35.4819



6.8387, 6.7209, 8.3435



13.9227, 6.6064, 26.4486



0.2659, 0.1269, 0.4737

Inverse Universe

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



30.5517, 31.0693, 33.2425



53.5045, 53.8304, 57.2531



30.5297, 33.4810, 34.9195



6.6587, 6.6564, 7.0538



11.3743, 5.8543, 0.9561



0.2103, 0.1074, 0.0536

Previews

White Background



This preview shows how the XYZ color 31.1060, 31.2672, 37.1966 looks on a white background.

Color Contrast Check

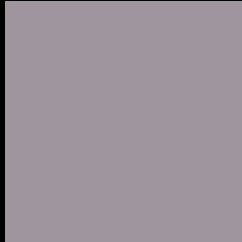
Large Text (above 18pt) WCAG AA × Fail

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 31.1060, 31.2672, 37.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

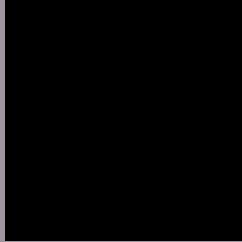
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1060, 31.2672, 37.1966

Background



This preview shows how black text looks on a background with the XYZ color 31.1060, 31.2672, 37.1966.



This preview shows how white text looks on a background with the XYZ color 31.1060, 31.2672,

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

31.1060, 31.2672, 37.1966

Protanopia

30.3607, 31.3467, 37.7080

Deuteranopia

31.7960, 31.1572, 37.1390



Tritanopia

31.1932, 31.3021, 37.6556

Trichromacy



Original Color

31.1060, 31.2672, 37.1966

Protanomaly

30.5779, 31.2208, 37.6723

Deuteranomaly

31.5459, 31.2601, 37.1720

Tritanomaly

31.1932, 31.3021, 37.6556

Monochromacy



Original Color

31.1060, 31.2672, 37.1966

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6622, 31.7916, 35.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1060, 31.2672, 37.1966 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(158, 149, 159)` looks like.

```
.text, #text, p{  
    color:rgb(158, 149, 159)  
}
```

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(158, 149, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 149, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.1060, 31.2672, 37.1966 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(158, 149, 159) }
```


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

```
.border{ border-color:rgb(158, 149, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 149, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 149, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 149, 159);  
box-shadow:4px 4px 4px 4px rgb(158, 149,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1060, 31.2672, 37.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 149, 159) }
```

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

```
.background{ background-color: rgb(158,  
149, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor