

Converting Colors

XYZ(31.1476, 31.0098, 38.1608)

Have a look what the booklet for
XYZ(31.1476, 31.0098, 38.1608)
contains.

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Color

**XYZ(31.1235, 31.0221,
38.0657)**

Conversions

Conversions Part 1

Format	Color
Hex	9E94A1
RGB	158, 148, 161
RGB Percent	62%, 58%, 63%
CMY	0.3804, 0.4196, 0.3686
CMYK	0.02, 0.08, 0.00, 0.37
HSL	286°, 6%, 61%
HSV	286°, 8%, 63%
XYZ	31.1235, 31.0221, 38.0657
YIQ	152.4720, 1.7870, 6.1630

Conversions

Conversions Part 2

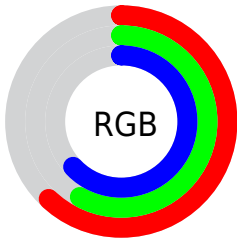
Format	Color
RYB	158, 148, 161
Decimal	10392737
CIELab	62.53, 6.15, -5.50
CIELCh	63, 8.256, 318.204
Yxy	31.0221, 0.3106, 0.3096
Android (android.graphics.Color)	4288582817 (0xFF9E94A1)
YUV	152.4720, 4.2043, 4.8481
Hunter-Lab	55.6975, 2.2744, -1.5327

Details

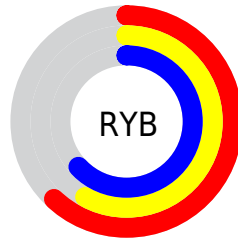
The XYZ color **31.1235, 31.0221, 38.0657** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8537, 34.2080, 32.9951**, and the grayscale version is **30.0316, 31.5956, 34.4076**.

A 20% lighter version of the original color is **60.9558, 61.3451, 73.5938**, and **13.1526, 12.8010, 16.5295** is the 20% darker color. If you saturate the color by 10%, you get **28.0522, 25.9477, 37.2486**, and if you desaturate by 10%, it is **34.5700, 36.8131, 39.0023**.

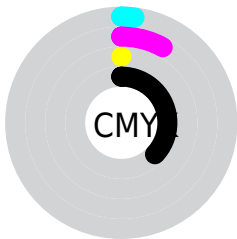
Distribution



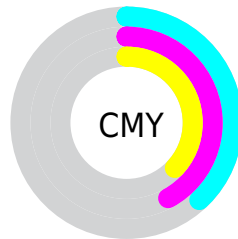
- Red (62%)
- Green (58%)
- Blue (63%)



- Red (62%)
- Yellow (58%)
- Blue (63%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)
- Black (37%)



- Cyan (38%)
- Magenta (42%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1235, 31.0221, 38.0657 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 31.1235, 31.0221, 38.0657 by changing the saturation by 10% instead.

■ 31.1235, 31.0221,
38.0657

■ 31.1235, 31.0221,
38.0657

298.9236,
306.6401, 353.2084

■ 20.8452, 20.6157,
25.7315

■ 60.8090, 61.2749,
73.4134

■ 13.1227, 12.8434,
16.3989

■ 80.9469, 81.8900,
97.2639

■ 7.5907, 7.3208,
9.6495

105.1020,
106.6768, 125.7902

■ 3.8838, 3.6635,
5.0646

133.6397,
136.0197, 159.4109

■ 1.6366, 1.4872,
2.2258

166.9254,
170.3031, 198.5446

■ 0.4161, 0.2797,
0.6892

205.3243,

■ 0.0000, 0.0000,

209.9114, 243.6096

0.0000

249.2020,
255.2289, 295.0247

■ 31.1235, 31.0221,
38.0657

■ 31.1235, 31.0221,
38.0657

■ 28.0522, 25.9477,
37.2486

■ 34.5700, 36.8131,
39.0023

■ 25.3387, 21.5570,
36.5441

■ 38.4028, 43.3440,
40.0609

■ 22.9683, 17.8203,
35.9478

■ 42.6358, 50.6418,
41.2464

■ 20.9244, 14.7045,
35.4541

■ 47.2813, 58.7313,
42.5630

■ 19.1885, 12.1731,
35.0570

■ 52.3514, 67.6357,
44.0145

■ 17.7404, 10.1860,
34.7498

■ 57.8573, 77.3777,
45.6047

■ 16.5574, 8.6980,
34.5249

■ 61.9631, 84.2850,
46.7215

■ 15.6130, 7.6565,
34.3736

■ 62.8651, 84.7500,
46.7637

■ 14.8601, 6.9675,
34.2803

■ 63.7906, 85.2272,
46.8071

Harmonies

Analogous

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



30.1647, 31.0221, 39.9942



31.1235, 31.0221, 38.0657



31.6484, 31.0221, 35.0568

Triad

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



31.1235, 31.0221, 38.0657



29.9289, 31.0221, 28.0831



27.4831, 31.0221, 35.7451

Complementary

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



31.1235, 31.0221, 38.0657



30.8537, 34.2080, 32.9951

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.



27.4236, 31.0221, 32.5303



31.1235, 31.0221, 38.0657



28.8167, 31.0221, 28.2414

Square

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



31.1235, 31.0221, 38.0657



30.9471, 31.0221, 29.3774



27.9061, 31.0221, 29.8246



28.0708, 31.0221, 38.5970

Rectangle

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



31.1235, 31.0221, 38.0657



31.6730, 31.0221, 32.9037



27.9061, 31.0221, 29.8246



27.4012, 31.0221, 34.6672

Sweetspot

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



31.1244, 31.0234, 38.0664



59.3831, 61.6613, 69.1585



29.7190, 31.0144, 38.1387



13.0401, 13.5510, 15.1720



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.



31.1244, 31.0234, 38.0664



54.5219, 53.5322, 67.8457



31.4202, 31.2108, 36.5066



7.2038, 7.1194, 8.8976



11.7951, 5.4871, 27.3672



0.2849, 0.1344, 0.5768

Inverse Universe

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



30.8748, 30.9926, 33.6345



53.9740, 53.4685, 57.9371



30.5826, 34.0360, 34.4362



7.1376, 7.1115, 7.7112



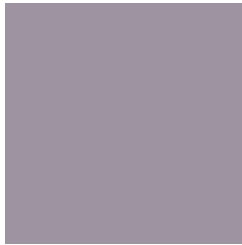
12.0210, 6.1645, 2.0355



0.2692, 0.1362, 0.1304

Previews

White Background



This preview shows how the XYZ color 31.1235, 31.0221, 38.0657 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 31.1235, 31.0221, 38.0657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

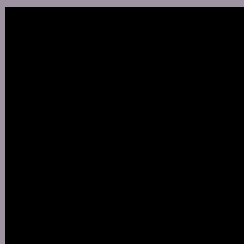
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1235, 31.0221, 38.0657

Background



This preview shows how black text looks on a background with the XYZ color 31.1235, 31.0221, 38.0657.



This preview shows how white text looks on a background with the XYZ color 31.1235, 31.0221,

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

31.1235, 31.0221, 38.0657

Protanopia

30.1904, 31.0006, 38.5749

Deuteranopia

31.5647, 31.0177, 38.0416



Tritanopia

31.0356, 30.9870, 37.6030

Trichromacy



Original Color

31.1235, 31.0221, 38.0657

Protanomaly

30.5955, 30.9736, 38.5484

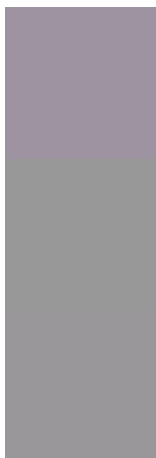
Deuteranomaly

31.3639, 30.9142, 38.0322

Tritanomaly

31.0356, 30.9870, 37.6030

Monochromacy



Original Color

31.1235, 31.0221, 38.0657

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3094, 31.3698, 35.4678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1235, 31.0221, 38.0657 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, 148, 161)` looks like.

```
.text, #text, p{  
    color:rgb(158, 148, 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(158, 148, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 148, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.1235, 31.0221, 38.0657 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, 148, 161) }
```


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

```
.border{ border-color:rgb(158, 148, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 148, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 148, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 148, 161);  
box-shadow:4px 4px 4px 4px rgb(158, 148,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1235, 31.0221, 38.0657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 148, 161) }
```

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

```
.background{ background-color: rgb(158,  
148, 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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