

Converting Colors

XYZ(31.6740, 38.0917, 5.6830)

Have a look what the booklet for
XYZ(31.6740, 38.0917, 5.6830)
contains.

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Color

**XYZ(31.7658, 38.2757,
5.7137)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAC00
RGB	172, 172, 0
RGB Percent	67%, 67%, 0%
CMY	0.3255, 0.3255, 0.9999
CMYK	0.00, 0.00, 1.00, 0.33
HSL	60°, 100%, 34%
HSV	60°, 100%, 67%
XYZ	31.7658, 38.2757, 5.7137
YIQ	152.3920, 55.2120, -53.4920

Conversions

Conversions Part 2

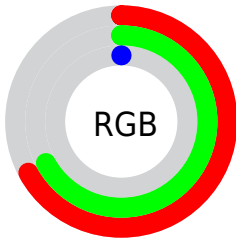
Format	Color
RYB	0, 172, 0
Decimal	11316224
CIELab	68.22, -16.05, 70.34
CIELCh	68, 72.143, 102.852
Yxy	38.2757, 0.4193, 0.5053
Android (android.graphics.Color)	4289506304 (0xFFACAC00)
YUV	152.3920, -75.1293, 17.1962
Hunter-Lab	61.8674, -16.6170, 37.8315

Details

The XYZ color **31.7658, 38.2757, 5.7137** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.4473, 2.9792, 39.2147**, and the grayscale version is **30.3146, 31.8933, 34.7319**.

A 20% lighter version of the original color is **61.7636, 72.4629, 17.7526**, and **13.7867, 17.0778, 2.5697** is the 20% darker color. If you saturate the color by 10%, you get **31.7666, 38.2775, 5.7140**, and if you desaturate by 10%, it is **31.8696, 38.3187, 6.2558**.

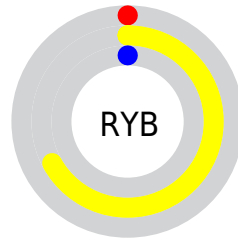
Distribution



Red (67%)

Green (67%)

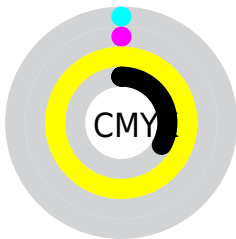
Blue (0%)



Red (0%)

Yellow (67%)

Blue (0%)

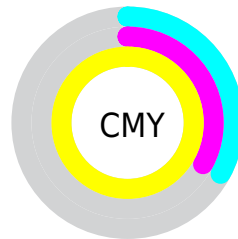


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7658, 38.2757, 5.7137 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 31.7658, 38.2757, 5.7137 by changing the saturation by 10% instead.


 31.7658, 38.2757,
5.7137


 31.7658, 38.2757,
5.7137


301.8153,
338.8012, 165.7044

 21.3374, 26.1967,
2.6058


 61.8114, 72.5305,
17.8010


 13.4847, 16.9709,
0.8955


 82.1593, 95.4752,
27.6175

 7.8424, 10.2137,
0.0000


 106.5444,
122.8105, 40.5073

 4.0452, 5.5409,
0.0000

 135.3321,
154.9209, 56.8889

 1.7278, 2.5680,
0.0000

 168.8876,
192.1908, 77.1809

 0.4736, 0.9106,
0.0000

 207.5764,

 0.0000, 0.0000,

235.0045, 101.8018

0.0000

251.7639,
283.7465, 131.1701

■ 31.7658, 38.2757,
5.7137

■ 31.7658, 38.2757,
5.7137

■ 31.7666, 38.2775,
5.7140

■ 31.8696, 38.3187,
6.2558

■ 32.0616, 38.3955,
7.2664

■ 32.3782, 38.5221,
8.9328

■ 32.8356, 38.7051,
11.3409

■ 33.4476, 38.9499,
14.5632

■ 34.2265, 39.2615,
18.6640

■ 35.1831, 39.6442,
23.7008

■ 36.3275, 40.1019,
29.7266

■ 37.6689, 40.6385,
36.7900

Harmonies

Analogous

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



43.1567, 38.2757, 6.0402



31.7658, 38.2757, 5.7137



23.5331, 38.2757, 10.7105

Triad

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



31.7658, 38.2757, 5.7137



22.6836, 38.2757, 99.8013



61.2888, 38.2757, 62.8035

Complementary

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



31.7658, 38.2757, 5.7137



7.4473, 2.9792, 39.2147

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.



53.2138, 38.2757, 105.8118



31.7658, 38.2757, 5.7137



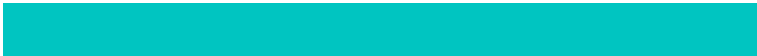
30.3525, 38.2757, 133.6639

Square

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



31.7658, 38.2757, 5.7137



19.0669, 38.2757, 57.0749



41.4205, 38.2757, 136.3022



61.8865, 38.2757, 29.3301

Rectangle

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



31.7658, 38.2757, 5.7137



20.2923, 38.2757, 19.2728



41.4205, 38.2757, 136.3022



59.2929, 38.2757, 76.9286

Sweetspot

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



31.7667, 38.2775, 5.7145



63.7199, 71.8746, 42.4489



17.0146, 8.7716, 0.7968



13.6871, 15.5557, 8.3793



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.7667, 38.2775, 5.7145



57.6258, 69.4368, 10.3654



18.5922, 31.4858, 5.0979



8.6627, 9.3302, 8.5577



23.6381, 28.4830, 4.2519



0.6576, 0.7924, 0.1183

Inverse Universe

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



7.4473, 2.9792, 39.2147



13.5090, 5.4036, 71.1368



11.2857, 4.9580, 39.3943



7.5790, 7.7572, 10.0505



5.5414, 2.2166, 29.1803



0.1542, 0.0617, 0.8118

Previews

White Background



This preview shows how the XYZ color 31.7658, 38.2757, 5.7137 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 31.7658, 38.2757, 5.7137 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 31.7658, 38.2757, 5.7137

Background



This preview shows how black text looks on a background with the XYZ color 31.7658, 38.2757, 5.7137.



This preview shows how white text looks on a background with the XYZ color 31.7658, 38.2757,

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

31.7658, 38.2757, 5.7137

Protanopia

34.5578, 38.3288, 5.5768

Deuteranopia

38.9917, 38.2299, 6.3013



Tritanopia

39.5456, 38.1874, 44.3164

Trichromacy



Original Color

31.7658, 38.2757, 5.7137

Protanomaly

33.4794, 38.3210, 5.6321

Deuteranomaly

35.9633, 37.9706, 5.9639

Tritanomaly

34.6262, 37.2388, 19.8308

Monochromacy



Original Color

31.7658, 38.2757, 5.7137

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.8539, 33.0303, 16.1640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7658, 38.2757, 5.7137 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(172, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 0)  
}
```

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(172, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.7658, 38.2757, 5.7137 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(172, 172, 0) }
```


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

```
.border{ border-color:rgb(172, 172, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7658, 38.2757, 5.7137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 0) }
```

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

```
.background{ background-color: rgb(172,  
172, 0) }
```

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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