

Converting Colors

XYZ(31.0859, 37.6877, 8.8170)

Have a look what the booklet for
XYZ(31.0859, 37.6877, 8.8170)
contains.

XYZ(31.0968, 37.5803, 8.7467)	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(31.0968, 37.5803,
8.7467)**

Conversions

Conversions Part 1

Format	Color
Hex	A7AB33
RGB	167, 171, 51
RGB Percent	65%, 67%, 20%
CMY	0.3451, 0.3294, 0.8000
CMYK	0.02, 0.00, 0.70, 0.33
HSL	62°, 54%, 44%
HSV	62°, 70%, 67%
XYZ	31.0968, 37.5803, 8.7467
YIQ	156.1240, 36.1360, -38.1680

Conversions

Conversions Part 2

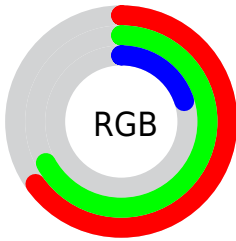
Format	Color
RYB	51, 171, 55
Decimal	10988339
CIELab	67.71, -16.29, 58.03
CIELCh	68, 60.274, 105.678
Yxy	37.5803, 0.4016, 0.4854
Android (android.graphics.Color)	4289178419 (0xFFA7AB33)
YUV	156.1240, -51.8261, 9.5383
Hunter-Lab	61.3028, -16.7329, 34.4524

Details

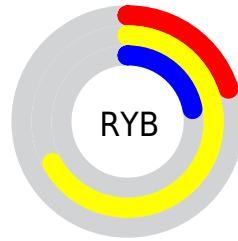
The XYZ color **31.0968, 37.5803, 8.7467** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.1112, 6.1209, 39.1789**, and the grayscale version is **31.8692, 33.5288, 36.5129**.

A 20% lighter version of the original color is **60.7975, 71.4202, 23.9457**, and **13.2789, 16.6384, 2.5117** is the 20% darker color. If you saturate the color by 10%, you get **30.6671, 37.3959, 7.1079**, and if you desaturate by 10%, it is **31.6675, 37.8239, 11.1173**.

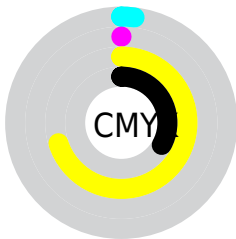
Distribution



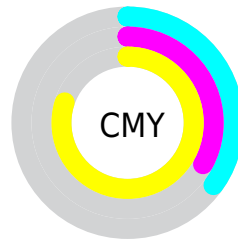
- Red (65%)
- Green (67%)
- Blue (20%)



- Red (20%)
- Yellow (67%)
- Blue (22%)



- Cyan (2%)
- Magenta (0%)
- Yellow (70%)
- Black (33%)





- Cyan (35%)
- Magenta (33%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0968, 37.5803, 8.7467 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 31.0968, 37.5803, 8.7467 by changing the saturation by 10% instead.


 31.0968, 37.5803,
8.7467


 31.0968, 37.5803,
8.7467


298.8029,
335.8161, 191.6249


 20.8248, 25.6571,
4.4818


 60.7672, 71.4644,
23.9797

 13.1077, 16.5673,
1.8932


 80.8964, 94.1941,
35.7848

 7.5803, 9.9265,
0.4884


 105.0419,
121.2947, 50.9404

 3.8771, 5.3502,
0.0000

 133.5692,
153.1507, 69.8651

 1.6328, 2.4542,
0.0000

 166.8435,
190.1465, 92.9773

 0.4137, 0.8536,
0.0000

 205.2304,

 0.0000, 0.0000,

232.6664, 120.6957

0.0000

249.0951,
281.0948, 153.4387

■ 31.0968, 37.5803,
8.7467

■ 31.0968, 37.5803,
8.7467

■ 30.6671, 37.3959,
7.1079

■ 31.6675, 37.8239,
11.1173

■ 30.3596, 37.2591,
6.1139

■ 32.3901, 38.1270,
14.2892

■ 30.1428, 37.1588,
5.5837

■ 33.2776, 38.4961,
18.3265

■ 34.3408, 38.9355,
23.2862

■ 35.5896, 39.4492,
29.2204

■ 37.0332, 40.0409,
36.1772

■ 38.6800, 40.7140,
44.2019

■ 40.5382, 41.4716,
53.3366

■ 42.6153, 42.3169,
63.6214

Harmonies

Analogous

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



40.3325, 37.5803, 8.6349



31.0968, 37.5803, 8.7467



24.3821, 37.5803, 14.5349

Triad

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



31.0968, 37.5803, 8.7467



24.6151, 37.5803, 89.6443



56.0216, 37.5803, 54.9553

Complementary

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



31.0968, 37.5803, 8.7467



10.1112, 6.1209, 39.1789

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.



50.1167, 37.5803, 88.2049



31.0968, 37.5803, 8.7467



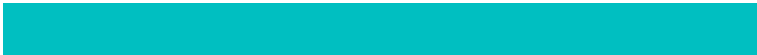
31.4714, 37.5803, 113.4007

Square

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



31.0968, 37.5803, 8.7467



21.1078, 37.5803, 56.3942



40.7778, 37.5803, 112.7823



55.8738, 37.5803, 28.5697

Rectangle

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



31.0968, 37.5803, 8.7467



21.7643, 37.5803, 23.2278



40.7778, 37.5803, 112.7823



54.6395, 37.5803, 65.8728

Sweetspot

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



31.0977, 37.5820, 8.7475



63.4496, 70.5301, 50.9617



18.7596, 11.6303, 4.3886



14.0112, 15.6716, 10.7048



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.



31.0977, 37.5820, 8.7475



54.6021, 66.8299, 11.6506



21.2253, 32.4927, 8.2855



8.6359, 9.3164, 8.5565



22.7311, 28.0154, 4.2095



0.6404, 0.7835, 0.1175

Inverse Universe

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



10.1112, 6.1209, 39.1789



14.7237, 6.9836, 69.5738



15.6059, 8.9536, 39.4360



7.6027, 7.7695, 10.0517



5.6042, 2.2489, 29.1832



0.1637, 0.0666, 0.8122

Previews

White Background



This preview shows how the XYZ color 31.0968, 37.5803, 8.7467 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 31.0968, 37.5803, 8.7467 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 31.0968, 37.5803, 8.7467

Background



This preview shows how black text looks on a background with the XYZ color 31.0968, 37.5803, 8.7467.



This preview shows how white text looks on a background with the XYZ color 31.0968, 37.5803,

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

31.0968, 37.5803, 8.7467

Protanopia

34.0171, 37.4463, 8.3407

Deuteranopia

38.2244, 37.5213, 8.9691



Tritanopia

38.3773, 37.5851, 44.2617

Trichromacy



Original Color

31.0968, 37.5803, 8.7467

Protanomaly

32.7545, 37.3327, 8.4972

Deuteranomaly

35.3244, 37.3135, 8.8305

Tritanomaly

34.6273, 37.1081, 25.7596

Monochromacy



Original Color

31.0968, 37.5803, 8.7467

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.5121, 34.2713, 22.1464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0968, 37.5803, 8.7467 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(167, 171, 51)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 51)  
}
```

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(167, 171, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 51) }
```

Border

The CSS property to change the border of an element to XYZ 31.0968, 37.5803, 8.7467 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(167, 171, 51) }
```


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

```
.border{ border-color:rgb(167, 171, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 171, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 51);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0968, 37.5803, 8.7467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 171, 51) }
```

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

```
.background{ background-color: rgb(167,  
171, 51) }
```

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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