

Converting Colors

XYZ(31.7422, 36.9211, 5.4544)

Have a look what the booklet for
XYZ(31.7422, 36.9211, 5.4544)
contains.

XYZ(31.7232, 36.8675, 5.4442)	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(31.7232, 36.8675,
5.4442)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A700
RGB	176, 167, 0
RGB Percent	69%, 65%, 0%
CMY	0.3098, 0.3451, 0.9999
CMYK	0.00, 0.05, 1.00, 0.31
HSL	57°, 100%, 35%
HSV	57°, 100%, 69%
XYZ	31.7232, 36.8675, 5.4442
YIQ	150.6530, 58.9710, -50.0290

Conversions

Conversions Part 2

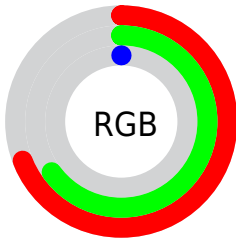
Format	Color
R_{YB}	9, 176, 0
Decimal	11577088
CIE _{Lab}	67.18, -11.69, 69.73
CIE _{LCh}	67, 70.702, 99.520
Yxy	36.8675, 0.4285, 0.4980
Android (android.graphics.Color)	4289767168 (0xFFB0A700)
YUV	150.6530, -74.2719, 22.2293
Hunter-Lab	60.7186, -12.9980, 37.1869

Details

The XYZ color **31.7232, 36.8675, 5.4442** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.9344, 3.3303, 41.2986**, and the grayscale version is **29.5583, 31.0977, 33.8654**.

A 20% lighter version of the original color is **61.6867, 70.4265, 17.1799**, and **13.7385, 16.1834, 2.3996** is the 20% darker color. If you saturate the color by 10%, you get **31.7238, 36.8689, 5.4444**, and if you desaturate by 10%, it is **31.9954, 37.2424, 6.0582**.

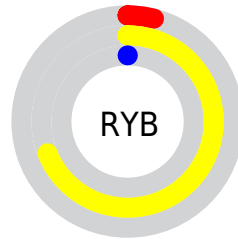
Distribution



Red (69%)

Green (65%)

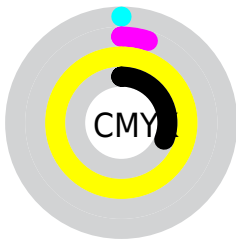
Blue (0%)



Red (4%)

Yellow (69%)

Blue (0%)

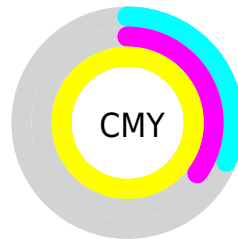


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7232, 36.8675, 5.4442 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 31.7232, 36.8675, 5.4442 by changing the saturation by 10% instead.


 31.7232, 36.8675,
5.4442


 31.7232, 36.8675,
5.4442


301.6241,
332.7365, 163.1329

 21.3047, 25.1049,
2.4469


 61.7450, 70.3690,
17.2232


 13.4606, 16.1552,
0.8118


 82.0791, 92.8766,
26.8420


 7.8257, 9.6341,
0.0000


 106.4490,
119.7348, 39.5050

 4.0345, 5.1570,
0.0000

 135.2201,
151.3278, 55.6308

 1.7217, 2.3397,
0.0000

 168.7578,
188.0401, 75.6380

 0.4698, 0.7946,
0.0000

 207.4275,

 0.0000, 0.0000,

230.2560, 99.9450

0.0000

251.5945,
278.3600, 128.9705

31.7232, 36.8675,
5.4442

31.7232, 36.8675,
5.4442

31.7238, 36.8689,
5.4444

31.9954, 37.2424,
6.0582

32.3625, 37.6557,
7.1697

32.8619, 38.1238,
8.9728

33.5111, 38.6536,
11.5583

34.3245, 39.2509,
15.0033

■ 35.3152, 39.9210,
19.3757

■ 36.4946, 40.6685,
24.7365

■ 37.8734, 41.4976,
31.1417

■ 39.4614, 42.4122,
38.6428

Harmonies

Analogous

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



42.8066, 36.8675, 6.2562



31.7232, 36.8675, 5.4442



23.4355, 36.8675, 9.5528

Triad

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



31.7232, 36.8675, 5.4442



21.3590, 36.8675, 91.0167



58.2709, 36.8675, 64.7043

Complementary

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



31.7232, 36.8675, 5.4442



7.9344, 3.3303, 41.2986

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.



49.9584, 36.8675, 105.5678



31.7232, 36.8675, 5.4442



28.2772, 36.8675, 125.4045

Square

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



31.7232, 36.8675, 5.4442



18.3146, 36.8675, 50.7850



38.5834, 36.8675, 131.7812



59.7211, 36.8675, 31.1014

Rectangle

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



31.7232, 36.8675, 5.4442



20.0397, 36.8675, 16.9303



38.5834, 36.8675, 131.7812



56.1160, 36.8675, 78.4165

Sweetspot

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



31.7240, 36.8692, 5.4449



66.0663, 73.6837, 44.2969



17.9694, 9.2563, 1.1794



14.1195, 15.8446, 8.6942



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.7240, 36.8692, 5.4449



57.4847, 66.7640, 9.8570



20.7522, 33.7450, 5.4202



9.1591, 9.8307, 9.0673



23.2898, 27.0782, 3.9991



0.7440, 0.8745, 0.1296

Inverse Universe

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



7.9344, 3.3303, 41.2986



14.3410, 5.9416, 74.8863



10.8391, 4.6828, 41.4065



8.0757, 8.2975, 10.6823



5.8346, 2.4697, 30.3062



0.1951, 0.1007, 0.9574

Previews

White Background



This preview shows how the XYZ color 31.7232, 36.8675, 5.4442 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 31.7232, 36.8675, 5.4442 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 31.7232, 36.8675, 5.4442

Background



This preview shows how black text looks on a background with the XYZ color 31.7232, 36.8675, 5.4442.



This preview shows how white text looks on a background with the XYZ color 31.7232, 36.8675,

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

31.7232, 36.8675, 5.4442

Protanopia

33.2830, 36.8652, 5.3615

Deuteranopia

37.6183, 36.7740, 5.9796



Tritanopia

38.9461, 36.6718, 41.5849

Trichromacy



Original Color

31.7232, 36.8675, 5.4442

Protanomaly

32.7465, 36.8554, 5.3879

Deuteranomaly

35.2493, 36.5665, 5.6521

Tritanomaly

34.2911, 35.7820, 18.7349

Monochromacy



Original Color

31.7232, 36.8675, 5.4442

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.6655, 32.4321, 15.8155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7232, 36.8675, 5.4442 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(176, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 167, 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(176, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 167, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.7232, 36.8675, 5.4442 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(176, 167, 0) }
```


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

```
.border{ border-color:rgb(176, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 167,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7232, 36.8675, 5.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 167, 0) }
```

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

```
.background{ background-color: rgb(176,  
167, 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](#).

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