

Converting Colors

XYZ(8.6790, 8.2732, 0.0000)

Have a look what the booklet for
XYZ(8.6790, 8.2732, 0.0000)
contains.

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Color

XYZ(8.8228, 8.2834, 1.1338)

Conversions

Conversions Part 1

Format	Color
Hex	6D4B00
RGB	109, 75, 0
RGB Percent	43%, 29%, 0%
CMY	0.5725, 0.7059, 1.0000
CMYK	0.00, 0.31, 1.00, 0.57
HSL	41°, 100%, 21%
HSV	41°, 100%, 43%
XYZ	8.8228, 8.2834, 1.1338
YIQ	76.6160, 44.3390, -16.1170

Conversions

Conversions Part 2

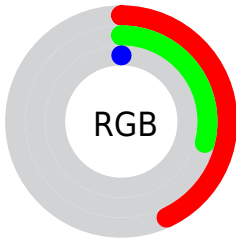
Format	Color
RYB	49, 109, 0
Decimal	7162624
CIELab	34.57, 8.43, 43.51
CIELCh	35, 44.319, 79.031
Yxy	8.2834, 0.4837, 0.4541
Android (android.graphics.Color)	4285352704 (0xFF6D4B00)
YUV	76.6160, -37.7717, 28.4008
Hunter-Lab	28.7809, 4.3527, 17.8109

Details

The XYZ color **8.8228, 8.2834, 1.1338** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **3.3323, 2.2481, 14.7263**, and the grayscale version is **7.0451, 7.4120, 8.0717**.

A 20% lighter version of the original color is **23.3673, 22.6717, 6.5126**, and **2.1209, 1.8207, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **8.8229, 8.2838, 1.1339**, and if you desaturate by 10%, it is **9.1196, 8.7814, 1.5279**.

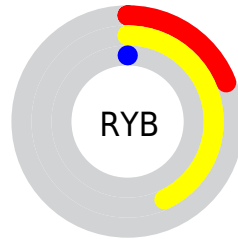
Distribution



Red (43%)

Green (29%)

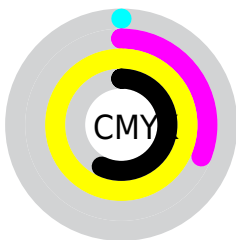
Blue (0%)



Red (19%)

Yellow (43%)

Blue (0%)

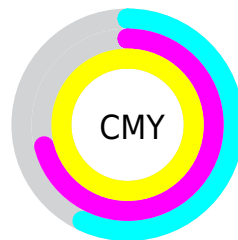


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (57%)



Cyan (57%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 8.8228, 8.2834, 1.1338 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 8.8228, 8.2834, 1.1338 by changing the saturation by 10% instead.


 8.8228, 8.2834,
1.1338


 8.8228, 8.2834,
1.1338


 176.2856,
177.9383, 107.0096


 4.6820, 4.2768,
0.0000

 23.2267, 22.5122,
6.4978


 2.0947, 1.8296,
0.0000


 34.2204, 33.5032,
11.8165

 0.6863, 0.5055,
0.0000

 48.2292, 47.5911,
19.4510


 0.0000, 0.0000,
0.0000


 65.6183, 65.1603,
29.8198


 86.7532, 86.5952,
43.3416


 111.9991,


112.2803, 60.4348


 141.7215,
142.5998, 81.5179


 8.8228, 8.2834,
1.1338


 8.8228, 8.2834,
1.1338


 8.8229, 8.2838,
1.1339

 9.1196, 8.7814,
1.5279

 9.4520, 9.3133,
2.0485

 9.8415, 9.8883,
2.8069

 10.2932, 10.5088,
3.8297

 10.8117, 11.1769,
5.1396

■ 11.4010, 11.8945,
6.7572

■ 12.0647, 12.6633,
8.7009

■ 12.8064, 13.4849,
10.9879

■ 13.6290, 14.3609,
13.6340

Harmonies

Analogous

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



11.4605, 8.2834, 2.1099



8.8228, 8.2834, 1.1338



6.4086, 8.2834, 1.2641

Triad

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



8.8228, 8.2834, 1.1338



4.1497, 8.2834, 14.2888



12.0847, 8.2834, 21.3771

Complementary

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



8.8228, 8.2834, 1.1338



3.3323, 2.2481, 14.7263

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.



9.5453, 8.2834, 29.2716



8.8228, 8.2834, 1.1338



5.1254, 8.2834, 23.9011

Square

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



8.8228, 8.2834, 1.1338



4.0368, 8.2834, 6.6470



6.9942, 8.2834, 30.3824



13.5919, 8.2834, 11.8978

Rectangle

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



8.8228, 8.2834, 1.1338



5.2194, 8.2834, 1.9984



6.9942, 8.2834, 30.3824



11.3014, 8.2834, 24.4784

Sweetspot

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



8.8230, 8.2838, 1.1340



21.4995, 22.5573, 15.2673



6.6029, 3.3697, 1.8552



4.9139, 5.1472, 3.2880



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.8230, 8.2838, 1.1340



15.6852, 14.6060, 1.9925



9.5901, 13.0620, 2.0158



3.2574, 3.4322, 3.3082



10.2977, 9.6452, 1.3190



51.6717, 47.5471, 6.4541

Inverse Universe

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



3.3323, 2.2481, 14.7263



5.8637, 3.8189, 26.3353



3.0485, 1.2527, 14.5491



3.0183, 3.1650, 3.8867



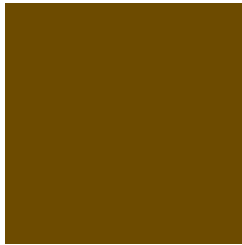
3.8773, 2.5889, 17.2176



19.0597, 11.7980, 87.4989

Previews

White Background



This preview shows how the XYZ color 8.8228, 8.2834, 1.1338 looks on a white background.

Color Contrast Check

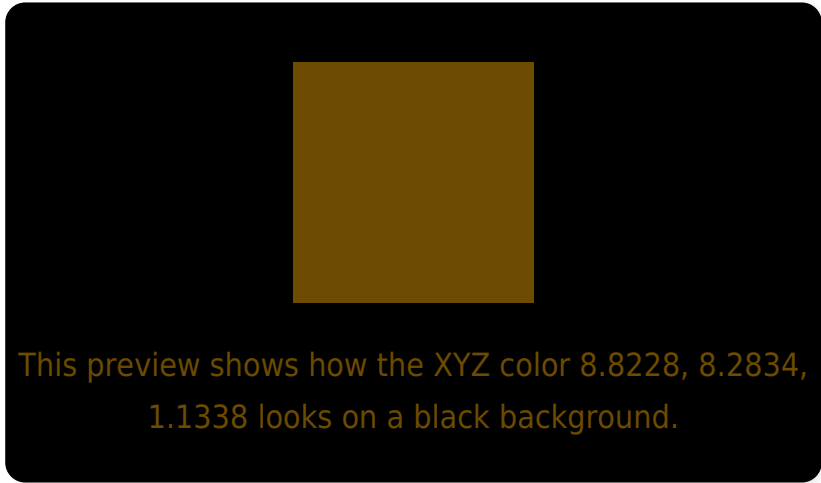
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

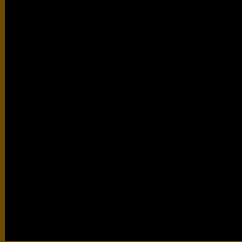
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.8228, 8.2834, 1.1338

Background



This preview shows how black text looks on a background with the XYZ color 8.8228, 8.2834, 1.1338.



This preview shows how white text looks on a background with the XYZ color 8.8228, 8.2834, 1.1338.

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

8.8228, 8.2834, 1.1338

Protanopia

7.4693, 8.3252, 1.4143

Deuteranopia

8.3179, 8.3323, 1.1699



Tritanopia

10.1423, 8.3331, 7.7305

Trichromacy



Original Color

8.8228, 8.2834, 1.1338

Protanomaly

7.8549, 8.1974, 1.2831

Deuteranomaly

8.4796, 8.3110, 1.1573

Tritanomaly

9.4064, 8.2276, 3.8886

Monochromacy



Original Color

8.8228, 8.2834, 1.1338

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

7.2586, 7.5145, 3.9736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8228, 8.2834, 1.1338 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(109, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 75, 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(109, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 75, 0) }
```

Border

The CSS property to change the border of an element to XYZ 8.8228, 8.2834, 1.1338 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(109, 75, 0) }
```

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

```
.border{ border-color:rgb(109, 75, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 8.8228, 8.2834, 1.1338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 75, 0) }
```

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

```
.background{ background-color: rgb(109, 75,  
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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