Converting Colors

XYZ(1.8453, 1.6787, 0.2332)

Have a look what the booklet for XYZ(1.8453, 1.6787, 0.2332) contains.

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Color

XYZ(1.8552, 1.6838, 0.2272)

Conversions

Conversions Part 1

Format	Color
Hex	331F00
RGB	51, 31, 0
RGB Percent	20%, 12%, 0%
CMY	0.8000, 0.8784, 1.0000
CMYK	0.00, 0.39, 1.00, 0.80
HSL	36°, 100%, 10%
HSV	36°, 100%, 20%
XYZ	1.8552, 1.6838, 0.2272
YIQ	33.4460, 21.8710, -5.4010

Conversions

Conversions Part 2

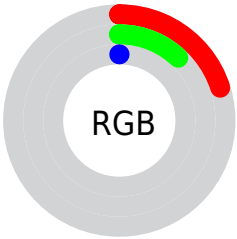
Format	Color
RYB	33, 51, 0
Decimal	3350272
CIELab	13.73, 6.47, 20.43
CIELCh	14, 21.426, 72.426
Yxy	1.6838, 0.4926, 0.4471
Android (android.graphics.Color)	4281540352 (0xFF331F00)
YUV	33.4460, -16.4889, 15.3949
Hunter-Lab	12.9761, 2.8119, 8.0452

Details

The XYZ color 1.8552, 1.6838, 0.2272 is a dark color, and the websafe version is hex 333300. A complement of this color would be 0.8476, 0.7392, 3.2298, and the grayscale version is 1.4896, 1.5671, 1.7066.

A 20% lighter version of the original color is 8.1748, 7.8900, 3.7814, and 0.0000, 0.0000, 0.0000 is the 20% darker color. If you saturate the color by 10%, you get 1.8552, 1.6839, 0.2272, and if you desaturate by 10%, it is 1.9370, 1.8028, 0.3923.

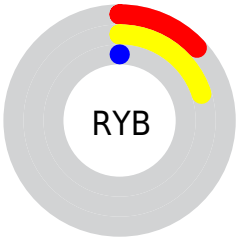
Distribution



Red (20%)

Green (12%)

Blue (0%)



Red (13%)

Yellow (20%)

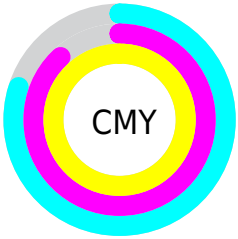
Blue (0%)

Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (80%)



Cyan (80%)

Magenta (88%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 1.8552, 1.6838, 0.2272 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 1.8552, 1.6838, 0.2272 by changing the saturation by 10% instead.

1.8552, 1.6838, 0.2272

1.8552, 1.6838, 0.2272

108.4984, 109.9651, 87.5926

0.5506, 0.4131, 0.0000

8.1885, 7.8801, 3.7930

0.0000, 0.0000, 0.0000

13.9802, 13.6535, 7.6591

22.0091, 21.7230, 13.5295

32.6405, 32.4729, 21.8225

46.2397, 46.2877, 32.9568

63.1722, 63.5517,

47.3509

83.8033, 84.6494, 65.4233

1.8552, 1.6838, 0.2272

1.8552, 1.6839, 0.2272

1.8552, 1.6838, 0.2272

1.9370, 1.8028, 0.3923

2.0222, 1.9283, 0.5585

2.1152, 2.0624, 0.7498

2.2206, 2.2068, 0.9895

2.3391, 2.3621, 1.2808

2.4711, 2.5284, 1.6266

2.6174, 2.7061, 2.0295

2.7784, 2.8955, 2.4919

2.9546, 3.0968, 3.0164

Harmonies

Analogous

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

2.2690, 1.6838, 0.6447

1.8552, 1.6838, 0.2272

1.4338, 1.6838, 0.1924

Triad

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

1.8552, 1.6838, 0.2272

0.9375, 1.6838, 2.3739

2.2053, 1.6838, 4.1076

Complementary

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

1.8552, 1.6838, 0.2272

0.8476, 0.7392, 3.2298

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.

1.7794, 1.6838, 5.1194

1.8552, 1.6838, 0.2272

1.0780, 1.6838, 3.8627

Square

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

1.8552, 1.6838, 0.2272

0.9507, 1.6838, 1.2232

1.3701, 1.6838, 5.0142

2.4941, 1.6838, 2.6187

Rectangle

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

1.8552, 1.6838, 0.2272

1.2074, 1.6838, 0.3908

1.3701, 1.6838, 5.0142

2.0706, 1.6838, 4.5389

Sweetspot

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

1.8552, 1.6839, 0.2272

4.3068, 4.4461, 3.2585

1.4950, 0.7557, 0.7477

1.1959, 1.2338, 0.8951

33.7135, 35.4692, 38.6260

1.4567, 1.5325, 1.6689

Same Dimension

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

1.8552, 1.6839, 0.2272

3.0361, 2.7069, 0.3625

2.3059, 2.9461, 0.4471

0.9045, 0.9488, 0.9435

5.4750, 4.7984, 0.6376

36.7603, 31.1520, 4.0755

Inverse Universe

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

0.8476, 0.7392, 3.2298

1.3615, 1.1355, 5.3482

0.6614, 0.2719, 3.1495

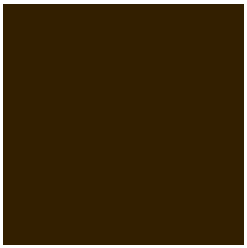
0.8587, 0.9051, 1.0777

2.4146, 1.9272, 9.7511

15.7393, 11.4916, 66.8638

Previews

White Background

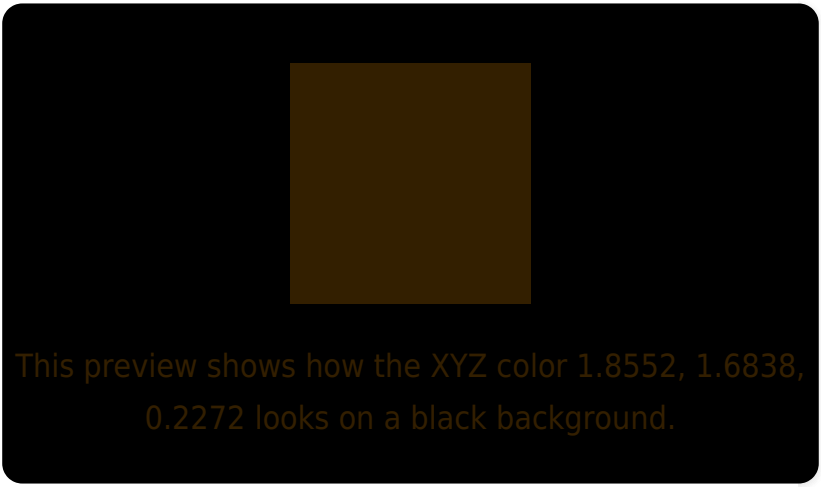


This preview shows how the XYZ color 1.8552, 1.6838, 0.2272 looks on a white background.

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

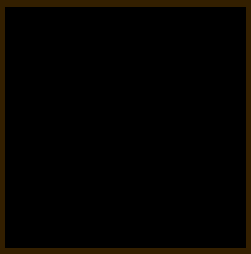


Color Contrast Check

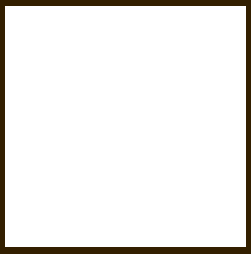
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 1.8552, 1.6838, 0.2272 Background



This preview shows how black text looks on a background with the XYZ color 1.8552, 1.6838, 0.2272.

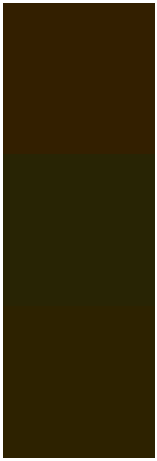


This preview shows how white text looks on a background with the XYZ color 1.8552, 1.6838, 0.2272.

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
1.8552, 1.6838, 0.2272

Protanopia
1.5279, 1.7216, 0.3666

Deuteranopia
1.6542, 1.7019, 0.2413

Tritanopia
2.1029, 1.7077, 1.5151

Trichromacy

Original Color
1.8552, 1.6838, 0.2272

Protanomaly
1.6272, 1.6861, 0.3258

Deuteranomaly
1.7161, 1.6921, 0.2361

Tritanomaly
2.0067, 1.7091, 0.8859

Monochromacy

Original Color
1.8552, 1.6838, 0.2272

Achromatopsia
1.4456, 1.5209, 1.6562

Achromatomaly
1.5269, 1.5383, 0.9259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.8552, 1.6838, 0.2272 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(51, 31, 0) looks like.

```
.text, #text, p{
    color:rgb(51, 31, 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(51, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 31, 0) }
```

Border

The CSS property to change the border of an element to XYZ 1.8552, 1.6838, 0.2272 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(51, 31, 0) }
```

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

```
.border{ border-color:rgb(51, 31, 0) }
```

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

Here you see how a box with a 4 pixel rgb(51, 31, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 31, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 31, 0); box-shadow:4px 4px 4px 4px rgb(51, 31, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 1.8552, 1.6838, 0.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(51, 31, 0) }
```

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

```
.background{ background-color:rgb(51, 31, 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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