

Converting Colors

XYZ(36.8577, 33.1226, 3.7758)

Have a look what the booklet for
XYZ(36.8577, 33.1226, 3.7758)
contains.

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Color

**XYZ(36.9654, 33.1959,
4.4592)**

Conversions

Conversions Part 1

Format	Color
Hex	D58D00
RGB	213, 141, 0
RGB Percent	84%, 55%, 0%
CMY	0.1647, 0.4470, 1.0000
CMYK	0.00, 0.34, 1.00, 0.16
HSL	40°, 100%, 42%
HSV	40°, 100%, 84%
XYZ	36.9654, 33.1959, 4.4592
YIQ	146.4540, 88.1730, -28.5870

Conversions

Conversions Part 2

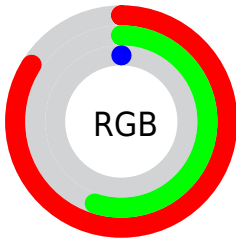
Format	Color
RYB	109, 213, 0
Decimal	13995264
CIELab	64.32, 18.77, 69.54
CIELCh	64, 72.030, 74.899
Yxy	33.1959, 0.4954, 0.4449
Android (android.graphics.Color)	4292185344 (0xFFD58D00)
YUV	146.4540, -72.2018, 58.3608
Hunter-Lab	57.6159, 13.6949, 35.7423

Details

The XYZ color **36.9654, 33.1959, 4.4592** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **14.3280, 9.4395, 64.0169**, and the grayscale version is **27.7720, 29.2183, 31.8187**.

A 20% lighter version of the original color is **61.9577, 60.7713, 14.7678**, and **16.6900, 14.1576, 1.8530** is the 20% darker color. If you saturate the color by 10%, you get **36.9654, 33.1963, 4.4592**, and if you desaturate by 10%, it is **38.2008, 35.4458, 5.5531**.

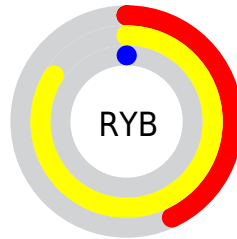
Distribution



Red (84%)

Green (55%)

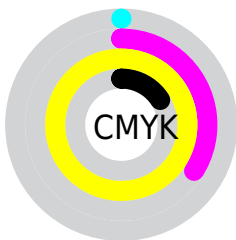
Blue (0%)



Red (43%)

Yellow (84%)

Blue (0%)

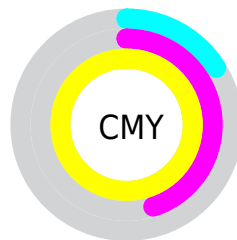


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9654, 33.1959, 4.4592 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 36.9654, 33.1959, 4.4592 by changing the saturation by 10% instead.


 36.9654, 33.1959,
4.4592


 36.9654, 33.1959,
4.4592


324.5188,
316.5315, 153.2003


 25.3543, 22.2766,
1.8805


 69.8337, 64.6813,
15.0557


 16.4713, 14.0603,
0.4803


 91.8217, 86.0161,
23.9105

 9.9512, 8.1626,
0.0000


 117.9992,
111.5915, 35.6945

 5.4287, 4.1992,
0.0000

 148.7317,
141.7919, 50.8262

 2.5382, 1.7856,
0.0000

 184.3846,
177.0017, 69.7240


 0.9146, 0.4782,
0.0000


 225.3232,


 0.0000, 0.0000,


217.6053, 92.8066


0.0000


 271.9128,
263.9872, 120.4925


 36.9654, 33.1959,
4.4592


 36.9654, 33.1959,
4.4592


 36.9654, 33.1963,
4.4592

 38.2008, 35.4458,
5.5531

 39.6582, 37.8955,
7.4727

 41.3904, 40.5696,
10.4866

 43.4266, 43.4816,
14.7426

 45.7916, 46.6434,
20.3653

■ 48.5072, 50.0655,
27.4643

■ 51.5931, 53.7576,
36.1376

■ 55.0674, 57.7286,
46.4751

■ 58.9468, 61.9870,
58.5597

Harmonies

Analogous

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



47.6586, 33.1959, 9.1611



36.9654, 33.1959, 4.4592



26.7542, 33.1959, 4.4465

Triad

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



36.9654, 33.1959, 4.4592



16.0902, 33.1959, 52.6724



47.5941, 33.1959, 92.6243

Complementary

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



36.9654, 33.1959, 4.4592



14.3280, 9.4395, 64.0169

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.



36.8910, 33.1959, 122.6374



36.9654, 33.1959, 4.4592



19.5566, 33.1959, 92.3617

Square

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



36.9654, 33.1959, 4.4592



16.1017, 33.1959, 23.3523



26.6942, 33.1959, 122.5214



54.6404, 33.1959, 52.9193

Rectangle

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



36.9654, 33.1959, 4.4592



21.5723, 33.1959, 6.8142



26.6942, 33.1959, 122.5214



44.2136, 33.1959, 104.9426

Sweetspot

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



36.9661, 33.1976, 4.4598



77.3848, 80.6116, 53.8642



28.6953, 14.6482, 7.8925



16.1274, 16.7387, 10.2840



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.9661, 33.1976, 4.4598



55.3919, 49.5638, 6.6473



42.8621, 57.4179, 8.8241



13.1029, 13.7800, 13.1299



22.6782, 20.4737, 2.7565



1.4430, 1.3851, 0.1913

Inverse Universe

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



14.3280, 9.4395, 64.0169



21.3933, 13.9066, 96.1644



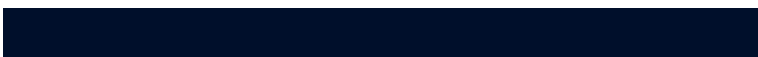
12.6047, 5.1108, 63.2722



12.0823, 12.6879, 15.7497



8.8369, 5.9355, 39.1331



0.6085, 0.5089, 2.3855

Previews

White Background



This preview shows how the XYZ color 36.9654, 33.1959, 4.4592 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 36.9654, 33.1959, 4.4592 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 36.9654, 33.1959, 4.4592

Background



This preview shows how black text looks on a background with the XYZ color 36.9654, 33.1959, 4.4592.



This preview shows how white text looks on a background with the XYZ color 36.9654, 33.1959,

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

36.9654, 33.1959, 4.4592

Protanopia

30.0407, 33.3758, 5.2743

Deuteranopia

33.8786, 33.1856, 4.6199



Tritanopia

42.1374, 33.2158, 29.3897

Trichromacy



Original Color

36.9654, 33.1959, 4.4592

Protanomaly

32.1022, 32.9718, 4.9307

Deuteranomaly

34.7540, 32.9473, 4.5277

Tritanomaly

39.1247, 32.8178, 13.9452

Monochromacy



Original Color

36.9654, 33.1959, 4.4592

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.5266, 29.2829, 14.5046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9654, 33.1959, 4.4592 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(213, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 141, 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(213, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 141, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.9654, 33.1959, 4.4592 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(213, 141, 0) }
```


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

```
.border{ border-color:rgb(213, 141, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 141,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9654, 33.1959, 4.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 141, 0) }
```

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

```
.background{ background-color: rgb(213,  
141, 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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