

Converting Colors

XYZ(36.5494, 31.8452, 4.2204)

Have a look what the booklet for
XYZ(36.5494, 31.8452, 4.2204)
contains.

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Color

**XYZ(36.5357, 31.9045,
4.2325)**

Conversions

Conversions Part 1

Format	Color
Hex	D68800
RGB	214, 136, 0
RGB Percent	84%, 53%, 0%
CMY	0.1608, 0.4666, 1.0000
CMYK	0.00, 0.36, 1.00, 0.16
HSL	38°, 100%, 42%
HSV	38°, 100%, 84%
XYZ	36.5357, 31.9045, 4.2325
YIQ	143.8180, 90.1440, -25.7600

Conversions

Conversions Part 2

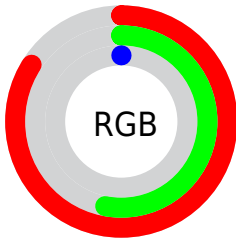
Format	Color
RYB	123, 214, 0
Decimal	14059520
CIELab	63.26, 21.89, 68.91
CIELCh	63, 72.306, 72.374
Yxy	31.9045, 0.5027, 0.4390
Android (android.graphics.Color)	4292249600 (0xFFD68800)
YUV	143.8180, -70.9023, 61.5496
Hunter-Lab	56.4841, 16.6124, 35.0961

Details

The XYZ color **36.5357, 31.9045, 4.2325** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **14.8621, 10.3041, 64.8233**, and the grayscale version is **26.6882, 28.0781, 30.5770**.

A 20% lighter version of the original color is **60.6073, 58.1231, 14.1554**, and **16.4647, 13.4279, 1.7241** is the 20% darker color. If you saturate the color by 10%, you get **36.5359, 31.9052, 4.2327**, and if you desaturate by 10%, it is **37.8144, 34.2395, 5.3454**.

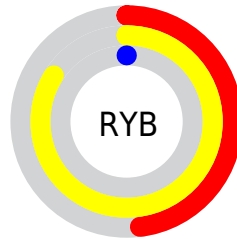
Distribution



Red (84%)

Green (53%)

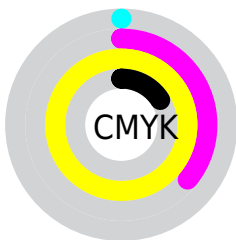
Blue (0%)



Red (48%)

Yellow (84%)

Blue (0%)

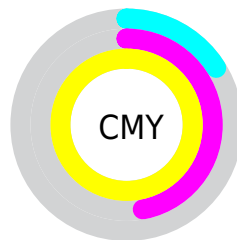


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5357, 31.9045, 4.2325 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 36.5357, 31.9045, 4.2325 by changing the saturation by 10% instead.


 36.5357, 31.9045,
4.2325


 36.5357, 31.9045,
4.2325


322.6865,
310.6840, 150.7756

 25.0202, 21.2886,
1.7537


 69.1766, 62.6613,
14.5425


 16.2209, 13.3351,
0.3972

 91.0327, 83.5710,
23.2109


 9.7725, 7.6597,
0.0000


 117.0664,
108.6808, 34.7795

 5.3095, 3.8780,
0.0000

 147.6431,
138.3750, 49.6669

 2.4666, 1.6055,
0.0000

 183.1281,
173.0380, 68.2917


 0.8784, 0.3613,
0.0000


 223.8868,


 0.0000, 0.0000,


213.0542, 91.0724


0.0000


 270.2845,
258.8081, 118.4275


 36.5357, 31.9045,
4.2325


 36.5357, 31.9045,
4.2325


 36.5359, 31.9052,
4.2327

 37.8144, 34.2395,
5.3454

 39.3282, 36.7977,
7.2970

 41.1306, 39.6044,
10.3583

 43.2515, 42.6741,
14.6790

 45.7164, 46.0194,
20.3854

■ 48.5476, 49.6515,
27.5883

■ 51.7653, 53.5808,
36.3871

■ 55.3882, 57.8170,
46.8728

■ 59.4334, 62.3691,
59.1292

Harmonies

Analogous

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



46.8874, 31.9045, 9.2528



36.5357, 31.9045, 4.2325



26.3827, 31.9045, 3.9192

Triad

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



36.5357, 31.9045, 4.2325



15.1381, 31.9045, 47.9450



45.2391, 31.9045, 93.4699

Complementary

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



36.5357, 31.9045, 4.2325



14.8621, 10.3041, 64.8233

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.



34.6400, 31.9045, 121.2260



36.5357, 31.9045, 4.2325



18.2088, 31.9045, 86.7277

Square

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



36.5357, 31.9045, 4.2325



15.4272, 31.9045, 20.5744



24.8600, 31.9045, 118.2424



52.6234, 31.9045, 54.2526

Rectangle

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



36.5357, 31.9045, 4.2325



21.1394, 31.9045, 5.8794



24.8600, 31.9045, 118.2424



41.8456, 31.9045, 105.2169

Sweetspot

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



36.5364, 31.9062, 4.2331



76.8276, 79.4973, 53.6784



29.1235, 14.8531, 8.6287



15.9943, 16.4726, 10.2396



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.



36.5364, 31.9062, 4.2331



54.1710, 47.1220, 6.2403



44.1668, 58.4652, 8.9573



13.0746, 13.7234, 13.1205



22.1859, 19.4891, 2.5924



1.4157, 1.3305, 0.1822

Inverse Universe

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



14.8621, 10.3041, 64.8233



21.9590, 15.0381, 96.3530



12.6314, 5.1098, 63.9382



12.1095, 12.7424, 15.7588



9.0737, 6.4092, 39.2120



0.6248, 0.5417, 2.3909

Previews

White Background



This preview shows how the XYZ color 36.5357, 31.9045, 4.2325 looks on a white background.

Color Contrast Check

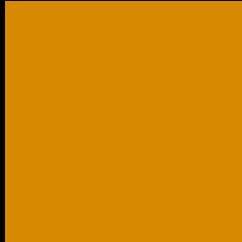
Large Text (above 18pt) WCAG AA × Fail

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 36.5357, 31.9045, 4.2325 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 36.5357, 31.9045, 4.2325

Background



This preview shows how black text looks on a background with the XYZ color 36.5357, 31.9045, 4.2325.



This preview shows how white text looks on a background with the XYZ color 36.5357, 31.9045,

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

36.5357, 31.9045, 4.2325

Protanopia

28.8754, 32.0299, 5.1124

Tritanopia

41.1182, 31.7594, 27.2556

Trichromacy



Original Color

36.5357, 31.9045, 4.2325

Protanomaly

31.2275, 31.5807, 4.7370

Tritanomaly

38.3182, 31.4051, 13.0590

Monochromacy



Original Color

36.5357, 31.9045, 4.2325

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.8188, 28.2575, 14.1132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5357, 31.9045, 4.2325 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(214, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 136, 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(214, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.5357, 31.9045, 4.2325 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(214, 136, 0) }
```

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

```
.border{ border-color:rgb(214, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 136,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 36.5357, 31.9045, 4.2325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 136, 0) }
```

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

```
.background{ background-color: rgb(214,  
136, 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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