

Converting Colors

XYZ(35.3035, 29.9824, 3.3297)

Have a look what the booklet for
XYZ(35.3035, 29.9824, 3.3297)
contains.

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Color

**XYZ(35.4232, 30.1114,
3.9451)**

Conversions

Conversions Part 1

Format	Color
Hex	D58200
RGB	213, 130, 0
RGB Percent	84%, 51%, 0%
CMY	0.1647, 0.4902, 1.0000
CMYK	0.00, 0.39, 1.00, 0.16
HSL	37°, 100%, 42%
HSV	37°, 100%, 84%
XYZ	35.4232, 30.1114, 3.9451
YIQ	139.9970, 91.1980, -22.8340

Conversions

Conversions Part 2

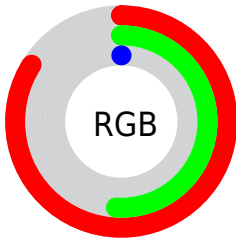
Format	Color
RYB	136, 213, 0
Decimal	13992448
CIELab	61.75, 24.69, 67.87
CIELCh	62, 72.223, 70.009
Yxy	30.1114, 0.5098, 0.4334
Android (android.graphics.Color)	4292182528 (0xFFD58200)
YUV	139.9970, -69.0185, 64.0236
Hunter-Lab	54.8739, 19.1994, 34.1491

Details

The XYZ color **35.4232, 30.1114, 3.9451** 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 **15.1038, 10.9911, 64.2757**, and the grayscale version is **25.1624, 26.4728, 28.8289**.

A 20% lighter version of the original color is **59.3108, 55.5819, 13.5636**, and **15.8176, 12.4127, 1.5622** is the 20% darker color. If you saturate the color by 10%, you get **35.4233, 30.1119, 3.9452**, and if you desaturate by 10%, it is **36.7110, 32.4662, 5.0564**.

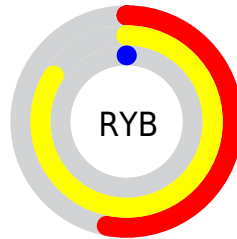
Distribution



Red (84%)

Green (51%)

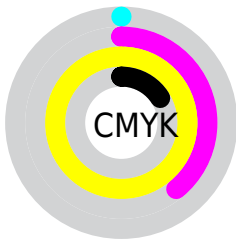
Blue (0%)



Red (53%)

Yellow (84%)

Blue (0%)

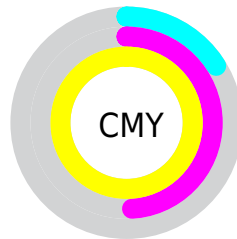


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4232, 30.1114, 3.9451 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 35.4232, 30.1114, 3.9451 by changing the saturation by 10% instead.


 35.4232, 30.1114,
3.9451


 35.4232, 30.1114,
3.9451


317.9078,
302.4234, 147.6132


 24.1571, 19.9232,
1.5953


 67.4706, 59.8383,
13.8829

 15.5756, 12.3392,
0.2874


 88.9825, 80.1458,
22.3080

 9.3132, 6.9751,
0.0000


 114.6405,
104.5951, 33.5953

 5.0048, 3.4465,
0.0000

 144.8098,
133.5706, 48.1633

 2.2849, 1.3691,
0.0000

 179.8559,
167.4569, 66.4305


 0.7869, 0.1938,
0.0000


 220.1440,


 0.0000, 0.0000,


206.6381, 88.8156


0.0000


 266.0395,
251.4988, 115.7369


 35.4232, 30.1114,
3.9451


 35.4232, 30.1114,
3.9451


 35.4233, 30.1119,
3.9452

 36.7110, 32.4662,
5.0564

 38.2418, 35.0626,
7.0004

 40.0688, 37.9264,
10.0458

 42.2220, 41.0725,
14.3406

 44.7269, 44.5142,
20.0099

■ 47.6059, 48.2631,
27.1632

■ 50.8794, 52.3304,
35.8989

■ 54.5660, 56.7261,
46.3071

■ 58.6831, 61.4599,
58.4707

Harmonies

Analogous

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



45.2607, 30.1114, 9.1551



35.4232, 30.1114, 3.9451



25.5229, 30.1114, 3.3916

Triad

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



35.4232, 30.1114, 3.9451



13.9917, 30.1114, 42.8863



42.2405, 30.1114, 92.4291

Complementary

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



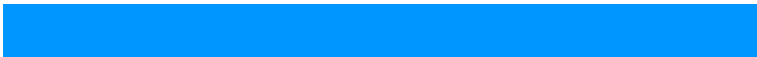
35.4232, 30.1114, 3.9451



15.1038, 10.9911, 64.2757

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.



31.9580, 30.1114, 117.5575



35.4232, 30.1114, 3.9451



16.6581, 30.1114, 80.0196

Square

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



35.4232, 30.1114, 3.9451



14.5152, 30.1114, 17.8017



22.7489, 30.1114, 112.0554



49.7680, 30.1114, 54.4443

Rectangle

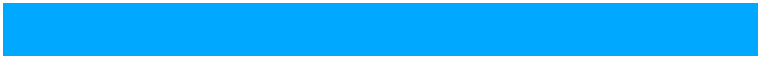
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.4232, 30.1114, 3.9451



20.3272, 30.1114, 4.9772



22.7489, 30.1114, 112.0554



38.9077, 30.1114, 103.4134

Sweetspot

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



35.4239, 30.1130, 3.9456



76.3031, 78.4483, 53.5036



29.0883, 14.8054, 9.9619



15.8693, 16.2225, 10.1979



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.



35.4239, 30.1130, 3.9456



53.0677, 44.9153, 5.8726



45.4565, 58.7555, 8.9454



13.0477, 13.6697, 13.1115



21.7402, 18.5975, 2.4439



1.3906, 1.2804, 0.1739

Inverse Universe

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



15.1038, 10.9911, 64.2757



22.5463, 16.2126, 96.5488



12.3261, 4.9671, 63.2593



12.1355, 12.7944, 15.7675



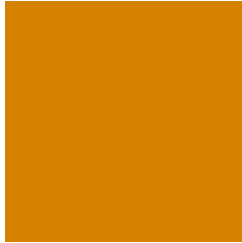
9.3183, 6.8983, 39.2935



0.6413, 0.5745, 2.3964

Previews

White Background



This preview shows how the XYZ color 35.4232, 30.1114, 3.9451 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 35.4232, 30.1114, 3.9451 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 35.4232, 30.1114, 3.9451

Background



This preview shows how black text looks on a background with the XYZ color 35.4232, 30.1114, 3.9451.



This preview shows how white text looks on a background with the XYZ color 35.4232, 30.1114,

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

35.4232, 30.1114, 3.9451

Protanopia

27.3621, 30.2851, 4.8937

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

39.7801, 30.1919, 24.8501

Trichromacy



Original Color

35.4232, 30.1114, 3.9451

Protanomaly

29.8848, 29.9811, 4.4990

Deuteranomaly

32.3772, 30.1827, 4.1194

Tritanomaly

37.0879, 29.6388, 11.9497

Monochromacy



Original Color

35.4232, 30.1114, 3.9451

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.5437, 26.5451, 13.1759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4232, 30.1114, 3.9451 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, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 130, 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, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.4232, 30.1114, 3.9451 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, 130, 0) }
```


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

```
.border{ border-color:rgb(213, 130, 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, 130, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 130,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4232, 30.1114, 3.9451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 130, 0) }
```

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

```
.background{ background-color: rgb(213,  
130, 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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