

Converting Colors

XYZ(35.3418, 30.5275, 4.0297)

Have a look what the booklet for
XYZ(35.3418, 30.5275, 4.0297)
contains.

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Color

**XYZ(35.4026, 30.4996,
4.0211)**

Conversions

Conversions Part 1

Format	Color
Hex	D48400
RGB	212, 132, 0
RGB Percent	83%, 52%, 0%
CMY	0.1686, 0.4823, 1.0000
CMYK	0.00, 0.38, 1.00, 0.17
HSL	37°, 100%, 42%
HSV	37°, 100%, 83%
XYZ	35.4026, 30.4996, 4.0211
YIQ	140.8720, 90.0520, -24.0920

Conversions

Conversions Part 2

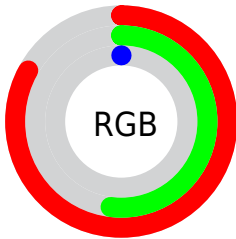
Format	Color
RYB	128, 212, 0
Decimal	13927424
CIELab	62.08, 23.19, 68.02
CIElCh	62, 71.866, 71.177
Yxy	30.4996, 0.5063, 0.4362
Android (android.graphics.Color)	4292117504 (0xFFD48400)
YUV	140.8720, -69.4499, 62.3793
Hunter-Lab	55.2264, 17.7801, 34.3415

Details

The XYZ color **35.4026, 30.4996, 4.0211** 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 **14.7525, 10.4912, 63.5341**, and the grayscale version is **25.5075, 26.8358, 29.2242**.

A 20% lighter version of the original color is **59.7263, 56.4129, 13.7021**, and **15.7798, 12.6139, 1.6030** is the 20% darker color. If you saturate the color by 10%, you get **35.4027, 30.5001, 4.0212**, and if you desaturate by 10%, it is **36.6674, 32.8098, 5.1201**.

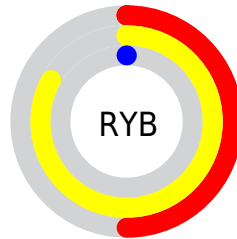
Distribution



Red (83%)

Green (52%)

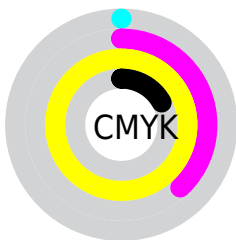
Blue (0%)



Red (50%)

Yellow (83%)

Blue (0%)

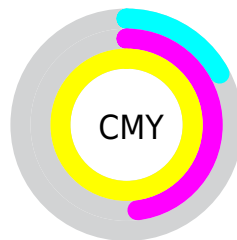


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4026, 30.4996, 4.0211 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 35.4026, 30.4996, 4.0211 by changing the saturation by 10% instead.


 35.4026, 30.4996,
4.0211


 35.4026, 30.4996,
4.0211


317.8188,
304.2263, 148.4596


 24.1411, 20.2181,
1.6369


 67.4389, 60.4514,
14.0584


 15.5636, 12.5537,
0.3170


 88.9445, 80.8904,
22.5486


 9.3048, 7.1219,
0.0000


 114.5954,
105.4842, 33.9112

 4.9992, 3.5385,
0.0000

 144.7572,
134.6169, 48.5648

 2.2816, 1.4189,
0.0000

 179.7950,
168.6731, 66.9279


 0.7852, 0.2306,
0.0000


 220.0743,


 0.0000, 0.0000,


208.0372, 89.4190


0.0000


 265.9605,
253.0934, 116.4568

 35.4026, 30.4996,
4.0211


 35.4026, 30.4996,
4.0211


 35.4027, 30.5001,
4.0212

 36.6674, 32.8098,
5.1201

 38.1672, 35.3486,
7.0405

 39.9548, 38.1414,
10.0487

 42.0596, 41.2025,
14.2908

 44.5065, 44.5445,
19.8905

■ 47.3176, 48.1789,
26.9559

■ 50.5129, 52.1161,
35.5843

■ 54.1106, 56.3659,
45.8645

■ 58.1277, 60.9373,
57.8787

Harmonies

Analogous

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



45.3328, 30.4996, 9.0585



35.4026, 30.4996, 4.0211



25.5362, 30.4996, 3.5884

Triad

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



35.4026, 30.4996, 4.0211



14.3210, 30.4996, 44.6219



43.0147, 30.4996, 91.4762

Complementary

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



35.4026, 30.4996, 4.0211



14.7525, 10.4912, 63.5341

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.



32.7397, 30.4996, 117.4763



35.4026, 30.4996, 4.0211



17.1378, 30.4996, 81.9726

Square

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



35.4026, 30.4996, 4.0211



14.7252, 30.4996, 18.8356



23.4008, 30.4996, 113.2667



50.3576, 30.4996, 53.4928

Rectangle

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



35.4026, 30.4996, 4.0211



20.3990, 30.4996, 5.3250



23.4008, 30.4996, 113.2667



39.7043, 30.4996, 102.6561

Sweetspot

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



35.4033, 30.5012, 4.0217



76.5588, 78.9597, 53.5888



28.6466, 14.5953, 9.1456



15.9302, 16.3444, 10.2182



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.



35.4033, 30.5012, 4.0217



53.5999, 45.9798, 6.0500



44.1022, 57.6850, 8.8102



13.0608, 13.6959, 13.1159



21.9553, 19.0278, 2.5156



1.4028, 1.3047, 0.1779

Inverse Universe

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



14.7525, 10.4912, 63.5341



22.2532, 15.6264, 96.4511



12.2782, 4.9570, 62.5963



12.1228, 12.7690, 15.7632



9.1964, 6.6545, 39.2529



0.6331, 0.5583, 2.3937

Previews

White Background



This preview shows how the XYZ color 35.4026, 30.4996, 4.0211 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 35.4026, 30.4996, 4.0211 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 35.4026, 30.4996, 4.0211

Background



This preview shows how black text looks on a background with the XYZ color 35.4026, 30.4996, 4.0211.



This preview shows how white text looks on a background with the XYZ color 35.4026, 30.4996,

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

35.4026, 30.4996, 4.0211

Protanopia

27.7304, 30.7138, 4.9187

Deuteranopia

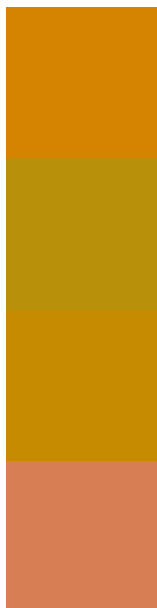
31.0577, 30.5921, 4.2679



Tritanopia

39.8631, 30.5836, 25.6320

Trichromacy



Original Color

35.4026, 30.4996, 4.0211

Protanomaly

30.0356, 30.2827, 4.5493

Deuteranomaly

32.5213, 30.4710, 4.1674

Tritanomaly

37.0854, 30.0089, 12.2252

Monochromacy



Original Color

35.4026, 30.4996, 4.0211

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.8703, 27.1306, 13.4934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4026, 30.4996, 4.0211 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(212, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 132, 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(212, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.4026, 30.4996, 4.0211 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(212, 132, 0) }
```


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

```
.border{ border-color:rgb(212, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 132,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4026, 30.4996, 4.0211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 132, 0) }
```

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

```
.background{ background-color: rgb(212,  
132, 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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