

Converting Colors

XYZ(34.5869, 30.1406, 3.9948)

Have a look what the booklet for
XYZ(34.5869, 30.1406, 3.9948)
contains.

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Color

**XYZ(34.5458, 30.0578,
3.9810)**

Conversions

Conversions Part 1

Format	Color
Hex	D18400
RGB	209, 132, 0
RGB Percent	82%, 52%, 0%
CMY	0.1804, 0.4823, 1.0000
CMYK	0.00, 0.37, 1.00, 0.18
HSL	38°, 100%, 41%
HSV	38°, 100%, 82%
XYZ	34.5458, 30.0578, 3.9810
YIQ	139.9750, 88.2640, -24.7280

Conversions

Conversions Part 2

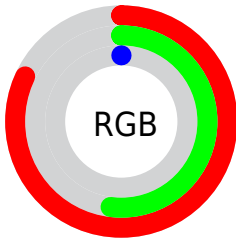
Format	Color
RYB	122, 209, 0
Decimal	13730816
CIELab	61.70, 21.89, 67.59
CIElCh	62, 71.049, 72.052
Yxy	30.0578, 0.5037, 0.4383
Android (android.graphics.Color)	4291920896 (0xFFD18400)
YUV	139.9750, -69.0077, 60.5349
Hunter-Lab	54.8250, 16.5310, 34.0723

Details

The XYZ color **34.5458, 30.0578, 3.9810** 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 **14.1629, 9.9119, 61.4880**, and the grayscale version is **25.1545, 26.4645, 28.8199**.

A 20% lighter version of the original color is **59.7263, 56.4129, 13.7021**, and **15.2300, 12.3305, 1.5773** is the 20% darker color. If you saturate the color by 10%, you get **34.5459, 30.0583, 3.9811**, and if you desaturate by 10%, it is **35.7640, 32.2793, 5.0507**.

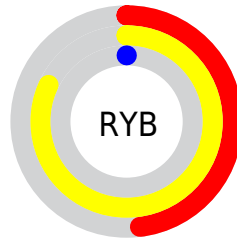
Distribution



Red (82%)

Green (52%)

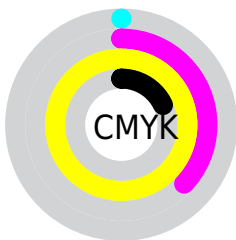
Blue (0%)



Red (48%)

Yellow (82%)

Blue (0%)

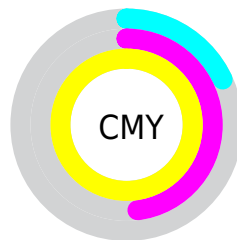


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5458, 30.0578, 3.9810 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 34.5458, 30.0578, 3.9810 by changing the saturation by 10% instead.


 34.5458, 30.0578,
3.9810


 34.5458, 30.0578,
3.9810


314.1022,
302.1738, 148.0139


 23.4781, 19.8825,
1.6149


 66.1202, 59.7536,
13.9659

 15.0696, 12.3096,
0.3014


 87.3576, 80.0428,
22.4218

 8.9548, 6.9549,
0.0000


 112.7156,
104.4721, 33.7448

 4.7686, 3.4339,
0.0000

 142.5596,
133.4259, 48.3533

 2.1455, 1.3622,
0.0000

 177.2549,
167.2886, 66.6660

 0.7138, 0.1887,
0.0000

 217.1668,

 0.0000, 0.0000,

206.4445, 89.1013

0.0000

262.6608,
251.2781, 116.0777

34.5458, 30.0578,
3.9810

34.5458, 30.0578,
3.9810

34.5459, 30.0583,
3.9811

35.7640, 32.2793,
5.0507

37.2058, 34.7148,
6.9124

38.9223, 37.3886,
9.8256

40.9419, 40.3144,
13.9313

43.2886, 43.5041,
19.3487

■ 45.9834, 46.9686,
26.1821

■ 49.0456, 50.7177,
34.5254

■ 52.4926, 54.7605,
44.4644

■ 56.3409, 59.1059,
56.0784

Harmonies

Analogous

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



44.3073, 30.0578, 8.7732



34.5458, 30.0578, 3.9810



24.9384, 30.0578, 3.6503

Triad

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



34.5458, 30.0578, 3.9810



14.2222, 30.0578, 44.8484



42.5592, 30.0578, 88.6150

Complementary

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



34.5458, 30.0578, 3.9810



14.1629, 9.9119, 61.4880

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.



32.5359, 30.0578, 114.6254



34.5458, 30.0578, 3.9810



17.0837, 30.0578, 81.4600

Square

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



34.5458, 30.0578, 3.9810



14.5284, 30.0578, 19.1619



23.3247, 30.0578, 111.4583



49.5908, 30.0578, 51.5381

Rectangle

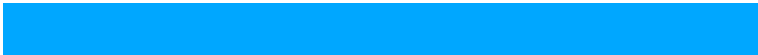
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.5458, 30.0578, 3.9810



19.9659, 30.0578, 5.4603



23.3247, 30.0578, 111.4583



39.3446, 30.0578, 99.6693

Sweetspot

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



34.5465, 30.0594, 3.9815



76.7451, 79.3324, 53.6509



27.7470, 14.1365, 8.8795



15.9747, 16.4332, 10.2330



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.



34.5465, 30.0594, 3.9815



53.9945, 46.7691, 6.1815



42.7158, 55.8675, 8.5325



12.4221, 13.0348, 12.4733



21.3970, 18.7271, 2.4869



1.2708, 1.1959, 0.1639

Inverse Universe

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



14.1629, 9.9119, 61.4880



22.0478, 15.2156, 96.3826



11.8948, 4.8027, 60.6214



11.5153, 12.1208, 14.9763



8.8187, 6.2840, 37.9406



0.5680, 0.5012, 2.1464

Previews

White Background



This preview shows how the XYZ color 34.5458, 30.0578, 3.9810 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5458, 30.0578, 3.9810 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 34.5458, 30.0578, 3.9810

Background



This preview shows how black text looks on a background with the XYZ color 34.5458, 30.0578, 3.9810.



This preview shows how white text looks on a background with the XYZ color 34.5458, 30.0578,

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

34.5458, 30.0578, 3.9810

Protanopia

27.3548, 30.2822, 4.8552

Tritanopia

38.9794, 30.1280, 25.5906

Trichromacy



Original Color

34.5458, 30.0578, 3.9810

Protanomaly

29.6444, 29.8572, 4.4877

Tritanomaly

36.2125, 29.5589, 12.1843

Monochromacy



Original Color

34.5458, 30.0578, 3.9810

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.2659, 26.6119, 13.2034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5458, 30.0578, 3.9810 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(209, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 132, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.5458, 30.0578, 3.9810 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(209, 132, 0) }
```

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

```
.border{ border-color:rgb(209, 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(209, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 132,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 34.5458, 30.0578, 3.9810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 132, 0) }
```

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

```
.background{ background-color: rgb(209,  
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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