

Converting Colors

XYZ(33.8382, 30.5735, 1.5543)

Have a look what the booklet for
XYZ(33.8382, 30.5735, 1.5543)
contains.

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Color

**XYZ(34.2578, 30.7301,
4.1259)**

Conversions

Conversions Part 1

Format	Color
Hex	CE8800
RGB	206, 136, 0
RGB Percent	81%, 53%, 0%
CMY	0.1922, 0.4666, 1.0000
CMYK	0.00, 0.34, 1.00, 0.19
HSL	40°, 100%, 40%
HSV	40°, 100%, 81%
XYZ	34.2578, 30.7301, 4.1259
YIQ	141.4260, 85.3760, -27.4560

Conversions

Conversions Part 2

Format	Color
RYB	106, 206, 0
Decimal	13535232
CIELab	62.28, 18.42, 67.79
CIElCh	62, 70.246, 74.797
Yxy	30.7301, 0.4957, 0.4446
Android (android.graphics.Color)	4291725312 (0xFFCE8800)
YUV	141.4260, -69.7230, 56.6314
Hunter-Lab	55.4347, 13.2994, 34.3915

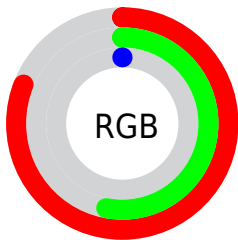
Details

The XYZ color **34.2578, 30.7301, 4.1259** 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 **13.3310, 8.8370, 59.3953**, and the grayscale version is **25.7283, 27.0682, 29.4773**.

A 20% lighter version of the original color is **60.5749, 58.1101, 13.9850**, and **15.1818, 12.7666, 1.6640** is the 20% darker color. If you saturate the color by 10%, you get **34.2580, 30.7307, 4.1260**, and if you desaturate by 10%, it is **35.4085, 32.8210, 5.1595**.

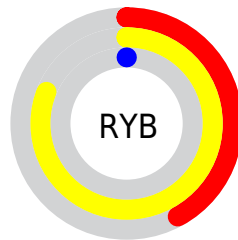
Distribution



Red (81%)

Green (53%)

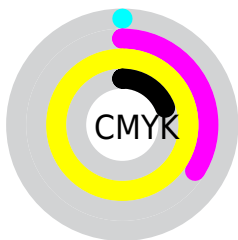
Blue (0%)



Red (42%)

Yellow (81%)

Blue (0%)

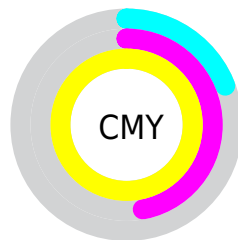


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2578, 30.7301, 4.1259 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 34.2578, 30.7301, 4.1259 by changing the saturation by 10% instead.


 34.2578, 30.7301,
4.1259


 34.2578, 30.7301,
4.1259


312.8458,
305.2930, 149.6146


 23.2555, 20.3934,
1.6947


 65.6760, 60.8149,
14.2991

 14.9040, 12.6813,
0.3571


 86.8227, 81.3318,
22.8781


 8.8379, 7.2095,
0.0000


 112.0815,
106.0109, 34.3435

 4.6919, 3.5935,
0.0000

 141.8179,
135.2365, 49.1138

 2.1005, 1.4489,
0.0000

 176.3971,
169.3932, 67.6075


 0.6895, 0.2523,
0.0000


 216.1846,


 0.0000, 0.0000,


208.8652, 90.2432


0.0000


 261.5457,
254.0370, 117.4394


 34.2578, 30.7301,
4.1259


 34.2578, 30.7301,
4.1259


 34.2580, 30.7307,
4.1260

 35.4085, 32.8210,
5.1595

 36.7645, 35.0976,
6.9539

 38.3755, 37.5830,
9.7617

 40.2684, 40.2897,
13.7189

 42.4658, 43.2286,
18.9402

■ 44.9881, 46.4095,
25.5263

■ 47.8533, 49.8412,
33.5677

■ 51.0780, 53.5322,
43.1470

■ 54.6779, 57.4901,
54.3407

Harmonies

Analogous

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



44.1597, 30.7301, 8.4975



34.2578, 30.7301, 4.1259



24.7922, 30.7301, 4.1022

Triad

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



34.2578, 30.7301, 4.1259



14.8824, 30.7301, 48.6558



44.0396, 30.7301, 85.9117

Complementary

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



34.2578, 30.7301, 4.1259



13.3310, 8.8370, 59.3953

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.



34.1194, 30.7301, 113.6554



34.2578, 30.7301, 4.1259



18.0813, 30.7301, 85.4226

Square

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



34.2578, 30.7301, 4.1259



14.9038, 30.7301, 21.5442



24.6806, 30.7301, 113.4393



50.5859, 30.7301, 49.1154

Rectangle

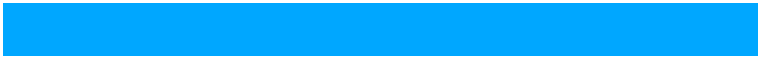
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.2578, 30.7301, 4.1259



19.9853, 30.7301, 6.2815



24.6806, 30.7301, 113.4393



40.9045, 30.7301, 97.3119

Sweetspot

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



34.2585, 30.7317, 4.1265



77.3471, 80.5363, 53.8516



26.6267, 13.5912, 7.3690



16.1184, 16.7207, 10.2810



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.



34.2585, 30.7317, 4.1265



55.3079, 49.3957, 6.6193



39.7731, 53.2681, 8.1858



11.8204, 12.4296, 11.8556



21.1881, 19.1091, 2.5717



1.1616, 1.1230, 0.1555

Inverse Universe

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



13.3310, 8.8370, 59.3953



21.4297, 13.9794, 96.1766



11.7029, 4.7463, 58.6915



10.9082, 11.4567, 14.2068



8.2898, 5.6035, 36.6009



0.4978, 0.4293, 1.9116

Previews

White Background



This preview shows how the XYZ color 34.2578, 30.7301, 4.1259 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 34.2578, 30.7301, 4.1259 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 34.2578, 30.7301, 4.1259

Background



This preview shows how black text looks on a background with the XYZ color 34.2578, 30.7301, 4.1259.



This preview shows how white text looks on a background with the XYZ color 34.2578, 30.7301,

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

34.2578, 30.7301, 4.1259

Protanopia

27.7234, 30.7110, 4.8821

Deuteranopia

31.3083, 30.7213, 4.2797



Tritanopia

39.0562, 30.6963, 27.1591

Trichromacy



Original Color

34.2578, 30.7301, 4.1259

Protanomaly

29.8566, 30.6448, 4.5999

Deuteranomaly

32.1430, 30.4919, 4.1914

Tritanomaly

36.2813, 30.3550, 12.9637

Monochromacy



Original Color

34.2578, 30.7301, 4.1259

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.5951, 27.2028, 13.5218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2578, 30.7301, 4.1259 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(206, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.2578, 30.7301, 4.1259 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(206, 136, 0) }
```


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

```
.border{ border-color:rgb(206, 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(206, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 136,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2578, 30.7301, 4.1259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 136, 0) }
```

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

```
.background{ background-color: rgb(206,  
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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