

Converting Colors

XYZ(34.6980, 30.3448, 4.0858)

Have a look what the booklet for
XYZ(34.6980, 30.3448, 4.0858)
contains.

XYZ(34.6930, 30.3348, 4.0841)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.6930, 30.3348,
4.0841)**

Conversions

Conversions Part 1

Format	Color
Hex	D18502
RGB	209, 133, 2
RGB Percent	82%, 52%, 1%
CMY	0.1804, 0.4784, 0.9921
CMYK	0.00, 0.36, 0.99, 0.18
HSL	38°, 98%, 41%
HSV	38°, 99%, 82%
XYZ	34.6930, 30.3348, 4.0841
YIQ	140.7900, 87.3470, -24.6290

Conversions

Conversions Part 2

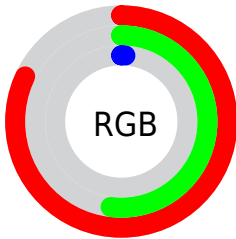
Format	Color
R _Y B	122, 209, 2
Decimal	13731074
CIE Lab	61.94, 21.37, 67.43
CIE LCh	62, 70.741, 72.413
Yxy	30.3348, 0.5020, 0.4389
Android (android.graphics.Color)	4291921154 (0xFFD18502)
YUV	140.7900, -68.4235, 59.8202
Hunter-Lab	55.0770, 16.0523, 34.1574

Details

The XYZ color **34.6930, 30.3348, 4.0841** 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 **14.2582, 10.0655, 61.5124**, and the grayscale version is **25.4720, 26.7985, 29.1836**.

A 20% lighter version of the original color is **59.9686, 56.8457, 13.9425**, and **15.3060, 12.4824, 1.6026** is the 20% darker color. If you saturate the color by 10%, you get **34.5820, 30.1306, 3.9931**, and if you desaturate by 10%, it is **35.9257, 32.5720, 5.1994**.

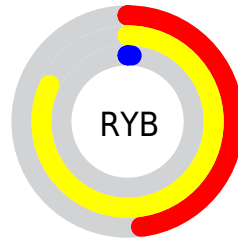
Distribution



Red (82%)

Green (52%)

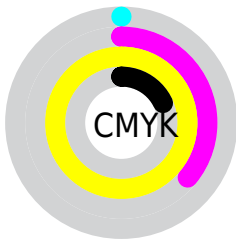
Blue (1%)



Red (48%)

Yellow (82%)

Blue (1%)

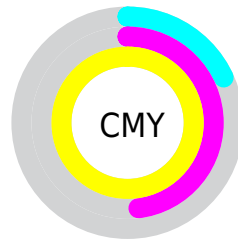


Cyan (0%)

Magenta (36%)

Yellow (99%)

Black (18%)



Cyan (18%)


Magenta (48%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6930, 30.3348, 4.0841 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 34.6930, 30.3348, 4.0841 by changing the saturation by 10% instead.


 34.6930, 30.3348,
4.0841


 34.6930, 30.3348,
4.0841


314.7430,
303.4619, 149.1556


 23.5919, 20.0929,
1.6716


 66.3471, 60.1912,
14.2033

 15.1543, 12.4626,
0.3412


 87.6307, 80.5745,
22.7470

 9.0147, 7.0595,
0.0000


 113.0393,
105.1070, 34.1715

 4.8080, 3.4994,
0.0000

 142.9381,
134.1732, 48.8955

 2.1686, 1.3977,
0.0000

 177.6925,
168.1573, 67.3373

 0.7261, 0.2150,
0.0000

 217.6679,

 0.0000, 0.0000,

207.4439, 89.9156

0.0000

263.2296,
252.4173, 117.0488

34.6930, 30.3348,
4.0841

34.6930, 30.3348,
4.0841

34.5820, 30.1306,
3.9931

35.9257, 32.5720,
5.1994

37.3906, 35.0262,
7.1542

39.1327, 37.7190,
10.1750

41.1799, 40.6639,
14.4003

43.5556, 43.8728,
19.9476

■ 46.2808, 47.3563,
26.9202

■ 49.3746, 51.1241,
35.4110

■ 52.8542, 55.1854,
45.5052

■ 56.7360, 59.5487,
57.2813

Harmonies

Analogous

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



44.4779, 30.3348, 8.8610



34.6930, 30.3348, 4.0841



25.0918, 30.3348, 3.7890

Triad

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



34.6930, 30.3348, 4.0841



14.4520, 30.3348, 45.5586



42.9438, 30.3348, 88.4462

Complementary

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



34.6930, 30.3348, 4.0841



14.2582, 10.0655, 61.5124

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.



32.9273, 30.3348, 114.6487



34.6930, 30.3348, 4.0841



17.3676, 30.3348, 82.1800

Square

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



34.6930, 30.3348, 4.0841



14.7222, 30.3348, 19.6428



23.6719, 30.3348, 111.8775



49.9123, 30.3348, 51.4297

Rectangle

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



34.6930, 30.3348, 4.0841



20.1301, 30.3348, 5.6649



23.6719, 30.3348, 111.8775



39.7383, 30.3348, 99.5319

Sweetspot

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



34.6937, 30.3364, 4.0847



76.7718, 79.3858, 53.6598



27.8147, 14.1982, 9.1292



15.9810, 16.4460, 10.2352



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.



34.6937, 30.3364, 4.0847



54.0515, 46.8831, 6.2005



42.7828, 55.9006, 8.5927



12.4234, 13.0374, 12.4737



21.4193, 18.7716, 2.4944



1.2719, 1.1982, 0.1642

Inverse Universe

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



14.2582, 10.0655, 61.5124



22.0189, 15.1578, 96.3730



11.9604, 4.8687, 60.6305



11.5140, 12.1183, 14.9759



8.8070, 6.2607, 37.9367



0.5673, 0.4998, 2.1461

Previews

White Background



This preview shows how the XYZ color 34.6930, 30.3348, 4.0841 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 34.6930, 30.3348, 4.0841 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 34.6930, 30.3348, 4.0841

Background



This preview shows how black text looks on a background with the XYZ color 34.6930, 30.3348, 4.0841.



This preview shows how white text looks on a background with the XYZ color 34.6930, 30.3348,

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

34.6930, 30.3348, 4.0841

Protanopia

27.5150, 30.6027, 4.9087

Deuteranopia

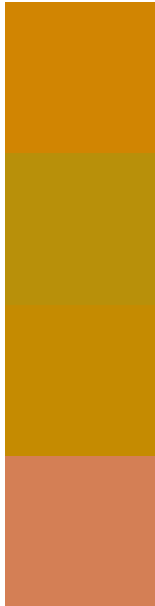
30.9082, 30.2932, 4.2181



Tritanopia

39.1728, 30.4049, 25.9944

Trichromacy



Original Color

34.6930, 30.3348, 4.0841

Protanomaly

29.7952, 30.1588, 4.5380

Deuteranomaly

32.2641, 30.3377, 4.1840

Tritanomaly

36.3804, 29.8317, 12.4350

Monochromacy



Original Color

34.6930, 30.3348, 4.0841

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.6598, 27.0221, 13.4835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6930, 30.3348, 4.0841 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, 133, 2)` looks like.

```
.text, #text, p{  
    color:rgb(209, 133, 2)  
}
```

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, 133, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 133, 2) }
```

Border

The CSS property to change the border of an element to XYZ 34.6930, 30.3348, 4.0841 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, 133, 2) }
```


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

```
.border{ border-color:rgb(209, 133, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 133, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 133, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 133, 2);  
box-shadow:4px 4px 4px 4px rgb(209, 133,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6930, 30.3348, 4.0841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 133, 2) }
```

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

```
.background{ background-color: rgb(209,  
133, 2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor