

Converting Colors

XYZ(33.6463, 30.6178, 1.8920)

Have a look what the booklet for
XYZ(33.6463, 30.6178, 1.8920)
contains.

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Color

**XYZ(34.1225, 30.8705,
4.1601)**

Conversions

Conversions Part 1

Format	Color
Hex	CD8900
RGB	205, 137, 0
RGB Percent	80%, 54%, 0%
CMY	0.1961, 0.4627, 1.0000
CMYK	0.00, 0.33, 1.00, 0.20
HSL	40°, 100%, 40%
HSV	40°, 100%, 80%
XYZ	34.1225, 30.8705, 4.1601
YIQ	141.7140, 84.5050, -28.1910

Conversions

Conversions Part 2

Format	Color
RYB	102, 205, 0
Decimal	13469952
CIELab	62.40, 17.44, 67.81
CIElCh	62, 70.014, 75.577
Yxy	30.8705, 0.4934, 0.4464
Android (android.graphics.Color)	4291660032 (0xFFCD8900)
YUV	141.7140, -69.8650, 55.5018
Hunter-Lab	55.5612, 12.3923, 34.4536

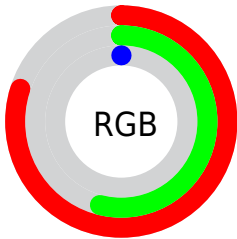
Details

The XYZ color **34.1225, 30.8705, 4.1601** 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 **13.0867, 8.5423, 58.7162**, and the grayscale version is **25.8432, 27.1891, 29.6089**.

A 20% lighter version of the original color is **60.8232, 58.5548, 14.2274**, and **15.0852, 12.8361, 1.6825** is the 20% darker color. If you saturate the color by 10%, you get **34.1227, 30.8712, 4.1603**, and if you desaturate by 10%, it is **35.2513, 32.9191, 5.1819**.

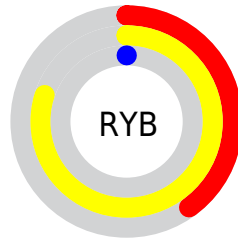
Distribution



Red (80%)

Green (54%)

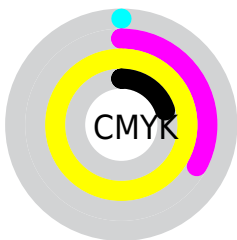
Blue (0%)



Red (40%)

Yellow (80%)

Blue (0%)

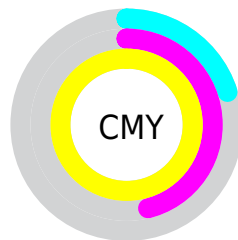


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1225, 30.8705, 4.1601 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 34.1225, 30.8705, 4.1601 by changing the saturation by 10% instead.

■ 34.1225, 30.8705,
4.1601

■ 34.1225, 30.8705,
4.1601

312.2542,
305.9413, 149.9886

■ 23.1511, 20.5003,
1.7136

■ 65.4671, 61.0361,
14.3773

■ 14.8264, 12.7592,
0.3700

■ 86.5711, 81.6003,
22.9852

■ 8.7832, 7.2629,
0.0000

■ 111.7832,
106.3312, 34.4838

■ 4.6560, 3.6271,
0.0000

■ 141.4689,
135.6134, 49.2918

■ 2.0795, 1.4672,
0.0000

■ 175.9934,
169.8310, 67.8278


■ 0.6781, 0.2655,
0.0000


■ 215.7223,


■ 0.0000, 0.0000,


209.3686, 90.5102


0.0000


 261.0208,
254.6106, 117.7576


 34.1225, 30.8705,
4.1601


 34.1225, 30.8705,
4.1601


 34.1227, 30.8712,
4.1603

 35.2513, 32.9191,
5.1819

 36.5802, 35.1455,
6.9544

 38.1583, 37.5726,
9.7281

 40.0120, 40.2125,
13.6373

 42.1639, 43.0758,
18.7952

■ 44.6336, 46.1720,
25.3013

■ 47.4392, 49.5098,
33.2449

■ 50.5970, 53.0972,
42.7079

■ 54.1221, 56.9419,
53.7655

Harmonies

Analogous

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



44.0477, 30.8705, 8.4073



34.1225, 30.8705, 4.1601



24.7114, 30.8705, 4.2281

Triad

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



34.1225, 30.8705, 4.1601



15.0465, 30.8705, 49.6804



44.3893, 30.8705, 85.0288

Complementary

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



34.1225, 30.8705, 4.1601



13.0867, 8.5423, 58.7162

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.



34.5166, 30.8705, 113.2049



34.1225, 30.8705, 4.1601



18.3378, 30.8705, 86.4180

Square

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



34.1225, 30.8705, 4.1601



14.9857, 30.8705, 22.2094



25.0293, 30.8705, 113.8180



50.7859, 30.8705, 48.3729

Rectangle

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



34.1225, 30.8705, 4.1601



19.9584, 30.8705, 6.5147



25.0293, 30.8705, 113.8180



41.2827, 30.8705, 96.5046

Sweetspot

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



34.1232, 30.8721, 4.1607



77.5190, 80.8800, 53.9089



26.2305, 13.4007, 6.7273



16.1595, 16.8029, 10.2947



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.



34.1232, 30.8721, 4.1607



55.6934, 50.1669, 6.7478



38.5896, 52.3016, 8.0616



11.8281, 12.4452, 11.8582



21.3332, 19.3993, 2.6201



1.1684, 1.1364, 0.1578

Inverse Universe

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



13.0867, 8.5423, 58.7162



21.2656, 13.6512, 96.1219



11.6849, 4.7510, 58.0583



10.9007, 11.4418, 14.2043



8.2251, 5.4742, 36.5794



0.4939, 0.4215, 1.9103

Previews

White Background



This preview shows how the XYZ color 34.1225, 30.8705, 4.1601 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 34.1225, 30.8705, 4.1601 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 34.1225, 30.8705, 4.1601

Background



This preview shows how black text looks on a background with the XYZ color 34.1225, 30.8705, 4.1601.



This preview shows how white text looks on a background with the XYZ color 34.1225, 30.8705,

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

34.1225, 30.8705, 4.1601

Protanopia

28.1021, 31.1461, 4.9461

Deuteranopia

31.4591, 31.0229, 4.3299



Tritanopia

38.9687, 30.8338, 27.5645

Trichromacy



Original Color

34.1225, 30.8705, 4.1601

Protanomaly

30.0115, 30.9544, 4.6515

Deuteranomaly

32.2898, 30.7855, 4.2403

Tritanomaly

36.1311, 30.4760, 12.9950

Monochromacy



Original Color

34.1225, 30.8705, 4.1601

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.7406, 27.4937, 13.5703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1225, 30.8705, 4.1601 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(205, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 137, 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(205, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 137, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.1225, 30.8705, 4.1601 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(205, 137, 0) }
```


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

```
.border{ border-color:rgb(205, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 137,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1225, 30.8705, 4.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 137, 0) }
```

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

```
.background{ background-color: rgb(205,  
137, 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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