

# Converting Colors

XYZ(34.2954, 26.2223, 3.2538)

Have a look what the booklet for  
XYZ(34.2954, 26.2223, 3.2538)  
contains.

<b>XYZ(34.4094, 26.3401, 3.2706)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.4094, 26.3401,  
3.2706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D97000
RGB	217, 112, 0
RGB Percent	85%, 44%, 0%
CMY	0.1490, 0.5608, 1.0000
CMYK	0.00, 0.48, 1.00, 0.15
HSL	31°, 100%, 43%
HSV	31°, 100%, 85%
XYZ	34.4094, 26.3401, 3.2706
YIQ	130.6270, 98.5320, -12.5720

# Conversions

## Conversions Part 2

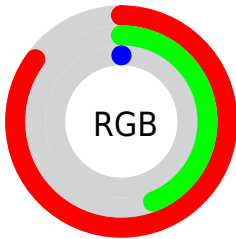
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 217, 0
Decimal	14249984
CIE Lab	58.36, 35.84, 66.03
CIE LCh	58, 75.135, 61.506
Yxy	26.3401, 0.5375, 0.4114
Android (android.graphics.Color)	4292440064 (0xFFD97000)
YUV	130.6270, -64.3991, 75.7491
Hunter-Lab	51.3226, 29.8613, 32.1475

# Details

The XYZ color **34.4094, 26.3401, 3.2706** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.5759, 15.1128, 67.6356**, and the grayscale version is **21.6392, 22.7661, 24.7923**.

A 20% lighter version of the original color is **55.7083, 48.5755, 11.7501**, and **15.2402, 10.4138, 1.2068** is the 20% darker color. If you saturate the color by 10%, you get **34.4095, 26.3406, 3.2707**, and if you desaturate by 10%, it is **35.7789, 28.8522, 4.4277**.

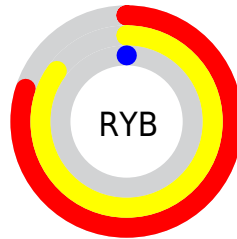
# Distribution



Red (85%)

Green (44%)

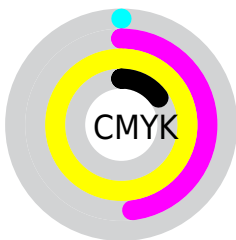
Blue (0%)



Red (80%)

Yellow (85%)

Blue (0%)

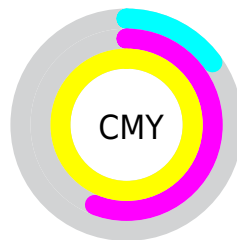


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (56%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4094, 26.3401, 3.2706 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 34.4094, 26.3401, 3.2706 by changing the saturation by 10% instead.





 34.4094, 26.3401,  
3.2706

 34.4094, 26.3401,  
3.2706


313.5076,  
284.4476, 139.7358


 23.3727, 17.0782,  
1.2344


 65.9099, 53.8231,  
12.2892


 14.9911, 10.2903,  
0.0071


 87.1043, 72.8130,  
20.1086

 8.8994, 5.5919,  
0.0000


 112.4154, 95.8145,  
30.6929

 4.7322, 2.5985,  
0.0000

 142.2085,  
123.2118, 44.4606

 2.1242, 0.9259,  
0.0000

 176.8489,  
155.3893, 61.8302


 0.7023, 0.0000,  
0.0000


 216.7020,


 0.0000, 0.0000,


192.7316, 83.2202


0.0000


 262.1331,  
235.6229, 109.0492


 34.4094, 26.3401,  
3.2706


 34.4094, 26.3401,  
3.2706

 34.4095, 26.3406,  
3.2707

 35.7789, 28.8522,  
4.4277

 37.4469, 31.7058,  
6.4711

 39.4708, 34.9317,  
9.6796

 41.8839, 38.5496,  
14.2090

 44.7149, 42.5772,  
20.1909

■ 47.9890, 47.0306,  
27.7407

■ 51.7295, 51.9248,  
36.9621

■ 55.9575, 57.2738,  
47.9496

■ 60.6927, 63.0909,  
60.7909

# Harmonies

## Analogous

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



43.2467, 26.3401, 9.5754



34.4094, 26.3401, 3.2706



24.5756, 26.3401, 2.0372

# Triad

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



34.4094, 26.3401, 3.2706



11.2373, 26.3401, 30.0256



35.4097, 26.3401, 96.7294

# Complementary

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



34.4094, 26.3401, 3.2706



17.5759, 15.1128, 67.6356

# 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.



25.5011, 26.3401, 114.3844



34.4094, 26.3401, 3.2706



12.8246, 26.3401, 63.9252

# Square

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



34.4094, 26.3401, 3.2706



12.5307, 26.3401, 10.7231



17.5403, 26.3401, 99.7405



43.9163, 26.3401, 60.0880



# Rectangle

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



34.4094, 26.3401, 3.2706



19.1197, 26.3401, 2.6970



17.5403, 26.3401, 99.7405



32.0606, 26.3401, 105.8224

# Sweetspot

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



34.4100, 26.3415, 3.2711



74.3938, 74.6297, 52.8672



31.3487, 15.8452, 15.7344



15.4162, 15.3162, 10.0469



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.



34.4100, 26.3415, 3.2711



49.4395, 37.6590, 4.6632



53.4276, 64.3767, 9.6102



13.6091, 14.1576, 13.7410



20.9363, 16.1582, 2.0154



1.4425, 1.2191, 0.1593



# Inverse Universe

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



17.5759, 15.1128, 67.6356



25.1805, 21.4810, 97.4268



12.5244, 5.0099, 65.9518



12.8560, 13.6518, 16.6096



10.7442, 9.3578, 40.9784



0.7821, 0.7783, 2.6835



# Previews

## White Background



This preview shows how the XYZ color 34.4094, 26.3401, 3.2706 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 34.4094, 26.3401, 3.2706 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.4094, 26.3401, 3.2706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4094, 26.3401, 3.2706.



This preview shows how white text looks on a background with the XYZ color 34.4094, 26.3401,



# 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

34.4094, 26.3401, 3.2706

### Protanopia

23.9405, 26.4677, 4.4631

### Deuteranopia

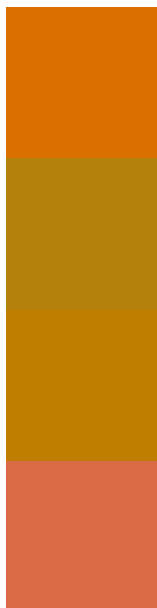
26.8852, 26.5152, 3.7009



## Tritanopia

37.3348, 26.2640, 18.1406

# Trichromacy



## Original Color

34.4094, 26.3401, 3.2706

## Protanomaly

26.8714, 25.6951, 3.8912

## Deuteranomaly

29.1991, 26.1282, 3.5043

## Tritanomaly

35.6084, 26.0304, 9.1088

# Monochromacy



## Original Color

34.4094, 26.3401, 3.2706

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

23.6693, 22.7212, 11.3217

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4094, 26.3401, 3.2706 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(217, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 112, 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(217, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 112, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4094, 26.3401, 3.2706 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(217, 112, 0) }
```



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

```
.border{ border-color:rgb(217, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 112,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4094, 26.3401, 3.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 112, 0) }
```

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

```
.background{ background-color: rgb(217,  
112, 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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