

# Converting Colors

XYZ(35.1106, 26.4899, 4.0183)

Have a look what the booklet for  
XYZ(35.1106, 26.4899, 4.0183)  
contains.

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# Color

**XYZ(35.0427, 26.4869,  
4.0246)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB6F16
RGB	219, 111, 22
RGB Percent	86%, 44%, 9%
CMY	0.1412, 0.5647, 0.9137
CMYK	0.00, 0.49, 0.90, 0.14
HSL	27°, 82%, 47%
HSV	27°, 90%, 86%
XYZ	35.0427, 26.4869, 4.0246
YIQ	133.1460, 92.9370, -4.7830

# Conversions

## Conversions Part 2

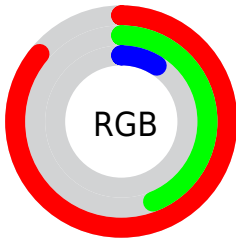
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 184, 22
Decimal	14380822
CIE Lab	58.50, 37.42, 61.82
CIE LCh	58, 72.265, 58.811
Yxy	26.4869, 0.5346, 0.4040
Android (android.graphics.Color)	4292570902 (0xFFDB6F16)
YUV	133.1460, -54.7950, 75.2940
Hunter-Lab	51.4654, 31.4758, 31.3893

# Details

The XYZ color **35.0427, 26.4869, 4.0246** 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 **21.0992, 21.2494, 70.0068**, and the grayscale version is **22.5183, 23.6910, 25.7995**.

A 20% lighter version of the original color is **55.8906, 48.3610, 13.5966**, and **15.5205, 10.3998, 1.1893** is the 20% darker color. If you saturate the color by 10%, you get **33.6758, 23.9842, 2.8575**, and if you desaturate by 10%, it is **36.7506, 29.4101, 6.1132**.

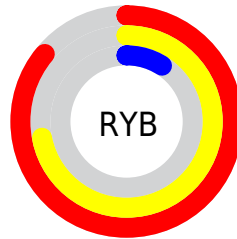
# Distribution



Red (86%)

Green (44%)

Blue (9%)



Red (86%)

Yellow (72%)

Blue (9%)

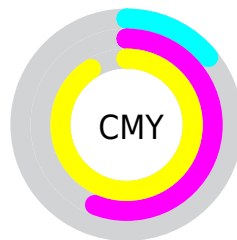


Cyan (0%)

Magenta (49%)

Yellow (90%)

Black (14%)



Cyan (14%)

Magenta (56%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0427, 26.4869, 4.0246 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 35.0427, 26.4869, 4.0246 by changing the saturation by 10% instead.





 35.0427, 26.4869,  
4.0246


 35.0427, 26.4869,  
4.0246


316.2615,  
285.1641, 148.4984

 23.8624, 17.1882,  
1.6389


 66.8855, 54.0594,  
14.0665

 15.3558, 10.3688,  
0.3183


 88.2787, 73.1020,  
22.5596


 9.1574, 5.6442,  
0.0000


 113.8070, 96.1615,  
33.9257

 4.9019, 2.6299,  
0.0000

 143.8357,  
123.6221, 48.5832

 2.2240, 0.9417,  
0.0000

 178.7301,  
155.8682, 66.9507

 0.7553, 0.0000,  
0.0000

 218.8557,

 0.0000, 0.0000,

193.2844, 89.4467

0.0000

264.5777,  
236.2549, 116.4898

35.0427, 26.4869,  
4.0246

35.0427, 26.4869,  
4.0246

33.6758, 23.9842,  
2.8575

36.7506, 29.4101,  
6.1132

33.6698, 23.9731,  
2.8527

38.8573, 32.7840,  
9.4040

41.3998, 36.6344,  
14.0575

44.4093, 40.9834,  
20.2091

47.9136, 45.8512,  
27.9771

■ 51.9382, 51.2567,  
37.4683

■ 56.5063, 57.2177,  
48.7800

■ 61.6398, 63.7509,  
62.0022

■ 67.3593, 70.8724,  
77.2190

# Harmonies

## Analogous

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



43.1977, 26.4869, 11.1665



35.0427, 26.4869, 4.0246



25.5293, 26.4869, 2.4150

# Triad

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



35.0427, 26.4869, 4.0246



11.7185, 26.4869, 27.8416



34.2868, 26.4869, 95.9738

# Complementary

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



35.0427, 26.4869, 4.0246



21.0992, 21.2494, 70.0068

# 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.



24.8240, 26.4869, 110.0158



35.0427, 26.4869, 4.0246



13.0258, 26.4869, 59.2345

# Square

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



35.0427, 26.4869, 4.0246



13.2544, 26.4869, 10.2628



17.3590, 26.4869, 93.7403



42.6943, 26.4869, 62.1061



# Rectangle

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



35.0427, 26.4869, 4.0246



20.0824, 26.4869, 2.9453



17.3590, 26.4869, 93.7403



31.0630, 26.4869, 103.8138

# Sweetspot

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



35.0433, 26.4883, 4.0251



74.9979, 74.5697, 56.9786



33.5531, 17.2551, 22.8052



15.6003, 15.3641, 11.0960



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.



35.0433, 26.4883, 4.0251



47.3947, 33.5693, 3.9816



52.1952, 60.7922, 9.7424



13.5381, 14.0155, 13.7173



20.0710, 14.4275, 1.7269



1.3856, 1.1053, 0.1403



# Inverse Universe

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



21.0992, 21.2494, 70.0068



27.3975, 25.9149, 98.1658



13.6297, 6.3102, 67.5170



12.9274, 13.7944, 16.6334



11.6790, 11.2274, 41.2900



0.8423, 0.8987, 2.7035



# Previews

## White Background



This preview shows how the XYZ color 35.0427, 26.4869, 4.0246 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 35.0427, 26.4869, 4.0246 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 35.0427, 26.4869, 4.0246**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0427, 26.4869, 4.0246.



This preview shows how white text looks on a background with the XYZ color 35.0427, 26.4869,



# 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

35.0427, 26.4869, 4.0246

### Protanopia

24.2054, 26.8107, 5.1275

### Deuteranopia

26.8852, 26.5152, 3.7009



## Tritanopia

37.8437, 26.3778, 18.1358

# Trichromacy



## Original Color

35.0427, 26.4869, 4.0246

## Protanomaly

27.3702, 26.1355, 4.6390

## Deuteranomaly

29.4970, 26.2767, 3.7470

## Tritanomaly

36.3841, 26.2447, 10.5452

# Monochromacy



## Original Color

35.0427, 26.4869, 4.0246

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

24.6192, 23.3501, 13.5654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0427, 26.4869, 4.0246 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(219, 111, 22)` looks like.

```
.text, #text, p{  
    color:rgb(219, 111, 22)  
}
```

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(219, 111, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 111, 22) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0427, 26.4869, 4.0246 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(219, 111, 22) }
```



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

```
.border{ border-color:rgb(219, 111, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 111, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 111, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 111, 22);  
box-shadow:4px 4px 4px 4px rgb(219, 111,  
22) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0427, 26.4869, 4.0246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 111, 22) }
```

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

```
.background{ background-color: rgb(219,  
111, 22) }
```

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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