

# Converting Colors

XYZ(35.4314, 29.8053, 4.4359)

Have a look what the booklet for  
XYZ(35.4314, 29.8053, 4.4359)  
contains.

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# Color

**XYZ(35.2609, 29.6249,  
4.3900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D58011
RGB	213, 128, 17
RGB Percent	84%, 50%, 7%
CMY	0.1647, 0.4980, 0.9333
CMYK	0.00, 0.40, 0.92, 0.16
HSL	34°, 85%, 45%
HSV	34°, 92%, 84%
XYZ	35.2609, 29.6249, 4.3900
YIQ	140.7610, 86.2910, -16.5010

# Conversions

## Conversions Part 2

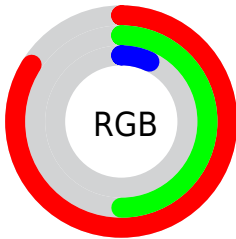
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	167, 213, 17
Decimal	13991953
CIE Lab	61.33, 25.95, 64.75
CIE LCh	61, 69.755, 68.155
Yxy	29.6249, 0.5090, 0.4276
Android (android.graphics.Color)	4292182033 (0xFFD58011)
YUV	140.7610, -61.0142, 63.3536
Hunter-Lab	54.4288, 20.3884, 33.3180

# Details

The XYZ color **35.2609, 29.6249, 4.3900** 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 **16.9927, 14.4258, 64.8392**, and the grayscale version is **25.4325, 26.7570, 29.1383**.

A 20% lighter version of the original color is **59.1034, 54.8436, 14.4920**, and **15.6733, 12.1242, 1.5141** is the 20% darker color. If you saturate the color by 10%, you get **34.2330, 27.7314, 3.5484**, and if you desaturate by 10%, it is **36.7754, 32.2484, 6.1460**.

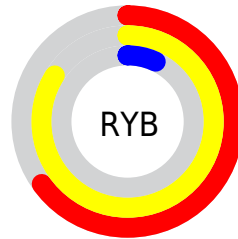
# Distribution



Red (84%)

Green (50%)

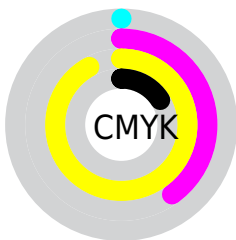
Blue (7%)



Red (65%)

Yellow (84%)

Blue (7%)

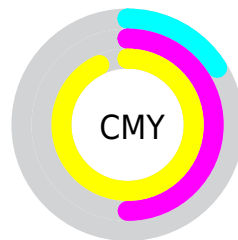


Cyan (0%)

Magenta (40%)

Yellow (92%)

Black (16%)



Cyan (16%)

Magenta (50%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2609, 29.6249, 4.3900 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 35.2609, 29.6249, 4.3900 by changing the saturation by 10% instead.





 35.2609, 29.6249,  
4.3900


 35.2609, 29.6249,  
4.3900


317.2063,  
300.1521, 152.4663

 24.0314, 19.5541,  
1.8416


 67.2211, 59.0685,  
14.8997

 15.4818, 12.0713,  
0.4552


 88.6825, 79.2100,  
23.6981

 9.2467, 6.7923,  
0.0000


 114.2852,  
103.4772, 35.4169

 4.9608, 3.3325,  
0.0000

 144.3946,  
132.2544, 50.4747

 2.2588, 1.3077,  
0.0000

 179.3761,  
165.9262, 69.2900

 0.7735, 0.1472,  
0.0000

 219.5950,

 0.0000, 0.0000,

204.8768, 92.2813

0.0000

265.4166,  
249.4906, 119.8672

35.2609, 29.6249,  
4.3900

35.2609, 29.6249,  
4.3900

34.2330, 27.7314,  
3.5484

36.7754, 32.2484,  
6.1460

38.5986, 35.1741,  
8.9754

40.7630, 38.4206,  
13.0335

43.2955, 42.0028,  
18.4493

46.2200, 45.9343,  
25.3353

■ 49.5578, 50.2276,  
33.7923

■ 53.3286, 54.8944,  
43.9119

■ 57.5506, 59.9455,  
55.7788

■ 62.2408, 65.3915,  
69.4716

# Harmonies

## Analogous

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



44.4715, 29.6249, 9.9989



35.2609, 29.6249, 4.3900



25.7235, 29.6249, 3.6144

# Triad

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



35.2609, 29.6249, 4.3900



14.0331, 29.6249, 39.9849



40.5519, 29.6249, 90.6921

# Complementary

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



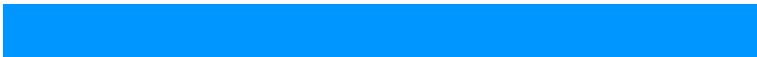
35.2609, 29.6249, 4.3900



16.9927, 14.4258, 64.8392

# 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.



30.7406, 29.6249, 112.8091



35.2609, 29.6249, 4.3900



16.4187, 29.6249, 74.7339

# Square

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



35.2609, 29.6249, 4.3900



14.7298, 29.6249, 16.8474



22.0787, 29.6249, 105.7650



47.9601, 29.6249, 55.0002



# Rectangle

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



35.2609, 29.6249, 4.3900



20.6125, 29.6249, 5.0432



22.0787, 29.6249, 105.7650



37.3501, 29.6249, 100.6508

# Sweetspot

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



35.2616, 29.6265, 4.3905



76.5155, 78.0353, 56.1574



30.2011, 15.5712, 14.8331



15.8700, 16.0666, 10.6831



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.



35.2616, 29.6265, 4.3905



51.2768, 41.3336, 5.2756



48.5783, 60.3532, 9.6195



13.0010, 13.5763, 13.0960



21.0145, 17.1463, 2.2020



1.3491, 1.1974, 0.1600



# Inverse Universe

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



16.9927, 14.4258, 64.8392



23.6889, 18.4977, 96.9296



12.6575, 5.4355, 63.3323



12.1811, 12.8857, 15.7827



9.7912, 7.8441, 39.4512



0.6720, 0.6360, 2.4066



# Previews

## White Background



This preview shows how the XYZ color 35.2609, 29.6249, 4.3900 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 35.2609, 29.6249, 4.3900 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 35.2609, 29.6249, 4.3900**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2609, 29.6249, 4.3900.



This preview shows how white text looks on a background with the XYZ color 35.2609, 29.6249,

4.3900.

# 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

35.2609, 29.6249, 4.3900

### Protanopia

26.8487, 29.7763, 5.1965

### Deuteranopia

30.2639, 29.7411, 4.1455



## Tritanopia

39.4065, 29.6576, 24.0696

# Trichromacy



## Original Color

35.2609, 29.6249, 4.3900

## Protanomaly

29.4274, 29.2942, 4.8128

## Deuteranomaly

31.8630, 29.4918, 4.1854

## Tritanomaly

37.0399, 29.2226, 12.9208

# Monochromacy



## Original Color

35.2609, 29.6249, 4.3900

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

26.8518, 26.6683, 14.7986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2609, 29.6249, 4.3900 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(213, 128, 17)` looks like.

```
.text, #text, p{  
    color:rgb(213, 128, 17)  
}
```

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(213, 128, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 128, 17) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2609, 29.6249, 4.3900 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(213, 128, 17) }
```



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

```
.border{ border-color:rgb(213, 128, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 128, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 128, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 128, 17);  
box-shadow:4px 4px 4px 4px rgb(213, 128,  
17) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2609, 29.6249, 4.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 128, 17) }
```

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

```
.background{ background-color: rgb(213,  
128, 17) }
```

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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