

# Converting Colors

XYZ(35.0457, 29.3892, 10.6631)

Have a look what the booklet for  
XYZ(35.0457, 29.3892, 10.6631)  
contains.

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# Color

**XYZ(35.0361, 29.3700,  
10.6599)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0804C
RGB	208, 128, 76
RGB Percent	82%, 50%, 30%
CMY	0.1843, 0.4980, 0.7020
CMYK	0.00, 0.38, 0.63, 0.18
HSL	24°, 58%, 56%
HSV	24°, 63%, 82%
XYZ	35.0361, 29.3700, 10.6599
YIQ	145.9920, 64.3720, 0.7880

# Conversions

## Conversions Part 2

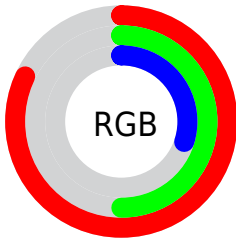
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 162, 76
Decimal	13664332
CIE <sub>Lab</sub>	61.11, 26.15, 40.76
CIE <sub>LCh</sub>	61, 48.430, 57.322
Yxy	29.3700, 0.4667, 0.3913
Android (android.graphics.Color)	4291854412 (0xFFD0804C)
YUV	145.9920, -34.5061, 54.3810
Hunter-Lab	54.1941, 20.5593, 26.2736

# Details

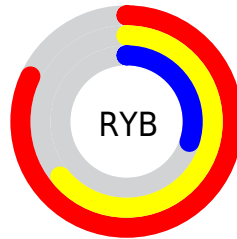
The XYZ color **35.0361, 29.3700, 10.6599** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **26.2535, 29.8661, 64.0552**, and the grayscale version is **27.4375, 28.8664, 31.4356**.

A 20% lighter version of the original color is **61.5298, 55.8141, 27.2689**, and **15.3284, 11.9222, 2.5919** is the 20% darker color. If you saturate the color by 10%, you get **32.8832, 26.0406, 6.9331**, and if you desaturate by 10%, it is **37.6284, 33.2044, 15.6867**.

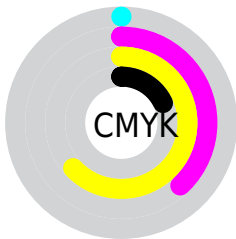
# Distribution



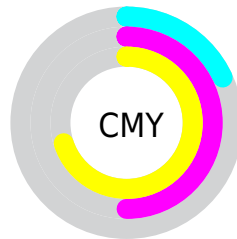
- Red (82%)
- Green (50%)
- Blue (30%)



- Red (82%)
- Yellow (64%)
- Blue (30%)



- Cyan (0%)
- Magenta (38%)
- Yellow (63%)
- Black (18%)




- Cyan (18%)
- Magenta (50%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0361, 29.3700, 10.6599 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 35.0361, 29.3700, 10.6599 by changing the saturation by 10% instead.





 35.0361, 29.3700,  
10.6599


 35.0361, 29.3700,  
10.6599

316.2329,  
298.9567, 205.9721


 23.8573, 19.3609,  
5.7274


 66.8753, 58.6644,  
27.6565

 15.3520, 11.9313,  
2.6139


 88.2665, 78.7185,  
40.5576


 9.1547, 6.6969,  
0.8996


 113.7926,  
102.8898, 56.9520

 4.9001, 3.2733,  
0.0000

 143.8188,  
131.5626, 77.2583

 2.2229, 1.2760,  
0.0000

 178.7106,  
165.1212, 101.8948

 0.7548, 0.1225,  
0.0000

218.8333,

 0.0000, 0.0000,

203.9502, 131.2803

0.0000

264.5523,  
248.4339, 165.8332

■ 35.0361, 29.3700,  
10.6599

■ 35.0361, 29.3700,  
10.6599

■ 32.8832, 26.0406,  
6.9331

■ 37.6284, 33.2044,  
15.6867

■ 31.1368, 23.1875,  
4.3785

■ 40.6854, 37.5617,  
22.1215

■ 29.7611, 20.7849,  
2.8447

■ 44.2327, 42.4641,  
30.0626

■ 29.0256, 19.4364,  
2.2218

■ 48.2933, 47.9310,  
39.5990

■ 52.8885, 53.9808,  
50.8127

■ 58.0384, 60.6311,  
63.7801

■ 63.7618, 67.8986,  
78.5727

■ 70.0769, 75.7993,  
95.2582

■ 75.6519, 83.8091,  
106.7972

# Harmonies

## Analogous

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



40.2214, 29.3700, 18.4704



35.0361, 29.3700, 10.6599



28.4894, 29.3700, 8.2309

# Triad

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



35.0361, 29.3700, 10.6599



17.4136, 29.3700, 30.3735



33.8994, 29.3700, 74.1633

# Complementary

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



35.0361, 29.3700, 10.6599



26.2535, 29.8661, 64.0552

# 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.



27.3489, 29.3700, 81.1352



35.0361, 29.3700, 10.6599



18.4164, 29.3700, 50.8519

# Square

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



35.0361, 29.3700, 10.6599



18.8519, 29.3700, 16.5772



21.8313, 29.3700, 71.3387



39.4984, 29.3700, 54.8037



# Rectangle

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



35.0361, 29.3700, 10.6599



24.4373, 29.3700, 8.8728



21.8313, 29.3700, 71.3387



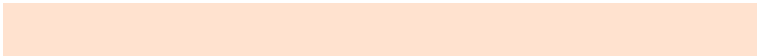
31.7086, 29.3700, 78.2916

# Sweetspot

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



35.0368, 29.3715, 10.6604



79.5456, 79.9391, 69.9807



34.7169, 21.0270, 34.3067



16.5866, 16.5290, 13.9149



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.



35.0368, 29.3715, 10.6604



51.1121, 39.6479, 9.4021



46.2985, 51.8949, 14.4143



12.1854, 12.5614, 12.3944



18.1785, 12.2901, 1.4141



1.0929, 0.8401, 0.1046



# Inverse Universe

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



26.2535, 29.8661, 64.0552



36.0363, 40.3175, 100.4905



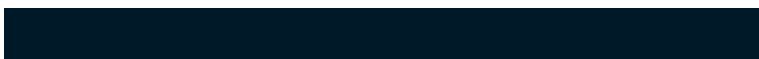
18.1413, 13.6416, 61.3512



11.7512, 12.5926, 15.0549



11.8466, 12.3399, 38.9499



0.7386, 0.8423, 2.2032



# Previews

## White Background



This preview shows how the XYZ color 35.0361, 29.3700, 10.6599 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 35.0361, 29.3700, 10.6599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

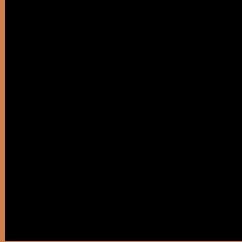
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.0361, 29.3700, 10.6599**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0361, 29.3700, 10.6599.



This preview shows how white text looks on a background with the XYZ color 35.0361, 29.3700,



# 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

35.0361, 29.3700, 10.6599

### Protanopia

27.2555, 29.5909, 12.4587

### Deuteranopia

30.0189, 29.4759, 10.4106



## Tritanopia

38.1402, 29.5278, 24.8083

# Trichromacy



**Original Color**

35.0361, 29.3700, 10.6599

**Protanomaly**

29.5632, 29.2126, 11.6699

**Deuteranomaly**

31.5260, 29.1791, 10.4491

**Tritanomaly**

36.8861, 29.3900, 18.4806

# Monochromacy



**Original Color**

35.0361, 29.3700, 10.6599

**Achromatopsia**

27.3213, 28.7441, 31.3023

**Achromatomaly**

29.0460, 28.2807, 22.0170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0361, 29.3700, 10.6599 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(208, 128, 76)` looks like.

```
.text, #text, p{  
    color:rgb(208, 128, 76)  
}
```

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(208, 128, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 128, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0361, 29.3700, 10.6599 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(208, 128, 76) }
```



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

```
.border{ border-color:rgb(208, 128, 76) }
```

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

Here you see how a box with a 4 pixel rgb(208, 128, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 128, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 128, 76);  
box-shadow:4px 4px 4px 4px rgb(208, 128,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0361, 29.3700, 10.6599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 128, 76) }
```

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

```
.background{ background-color: rgb(208,  
128, 76) }
```

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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