

# Converting Colors

XYZ(35.3545, 29.2892, 13.5591)

Have a look what the booklet for  
XYZ(35.3545, 29.2892, 13.5591)  
contains.

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# Color

**XYZ(35.4473, 29.3268,  
13.4652)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D07F5A
RGB	208, 127, 90
RGB Percent	82%, 50%, 35%
CMY	0.1843, 0.5019, 0.6471
CMYK	0.00, 0.39, 0.57, 0.18
HSL	19°, 56%, 58%
HSV	19°, 57%, 82%
XYZ	35.4473, 29.3268, 13.4652
YIQ	147.0010, 60.1530, 5.6650

# Conversions

## Conversions Part 2

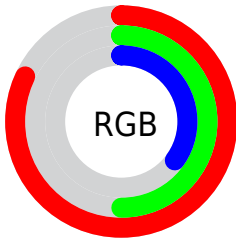
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 144, 90
Decimal	13664090
CIE <sub>Lab</sub>	61.07, 27.71, 33.23
CIE <sub>LCh</sub>	61, 43.270, 50.181
Yxy	29.3268, 0.4531, 0.3748
Android (android.graphics.Color)	4291854170 (0xFFD07F5A)
YUV	147.0010, -28.1015, 53.4961
Hunter-Lab	54.1542, 22.0694, 23.1658

# Details

The XYZ color **35.4473, 29.3268, 13.4652** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **30.1638, 35.8519, 65.0047**, and the grayscale version is **27.8294, 29.2787, 31.8845**.

A 20% lighter version of the original color is **62.3690, 55.8256, 32.6875**, and **15.6676, 11.9662, 3.7694** is the 20% darker color. If you saturate the color by 10%, you get **32.9677, 25.5918, 8.8652**, and if you desaturate by 10%, it is **38.4373, 33.6865, 19.4579**.

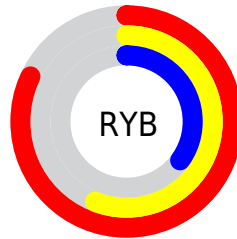
# Distribution



Red (82%)

Green (50%)

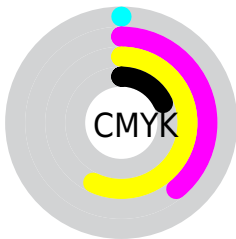
Blue (35%)



Red (82%)

Yellow (56%)

Blue (35%)

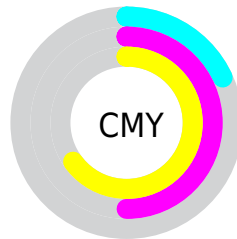


Cyan (0%)

Magenta (39%)

Yellow (57%)

Black (18%)



Cyan (18%)

Magenta (50%)


Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4473, 29.3268, 13.4652 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 35.4473, 29.3268, 13.4652 by changing the saturation by 10% instead.





 35.4473, 29.3268,  
13.4652


 35.4473, 29.3268,  
13.4652


318.0118,  
298.7538, 225.1895


 24.1758, 19.3282,  
7.6152


 67.5076, 58.5959,  
32.8404


 15.5895, 11.9077,  
3.7655


 89.0271, 78.6352,  
47.2027


 9.3231, 6.6808,  
1.4976


 114.6932,  
102.7901, 65.2394

 5.0113, 3.2633,  
0.2161

 144.8714,  
131.4451, 87.3692

 2.2887, 1.2707,  
0.0000

 179.9271,  
164.9846, 114.0105

 0.7889, 0.1183,  
0.0000

220.2254,

 0.0000, 0.0000,

203.7930, 145.5820

0.0000

266.1319,  
248.2545, 182.5022

■ 35.4473, 29.3268,  
13.4652

■ 35.4473, 29.3268,  
13.4652

■ 32.9677, 25.5918,  
8.8652

■ 38.4373, 33.6865,  
19.4579

■ 30.9643, 22.4467,  
5.5406

■ 41.9647, 38.6944,  
26.9440

■ 29.4011, 19.8596,  
3.3574

■ 46.0570, 44.3784,  
36.0168

■ 28.2334, 17.7923,  
2.1415

■ 50.7389, 50.7632,  
46.7614

■ 27.9158, 17.2168,  
1.8518

■ 56.0337, 57.8722,  
59.2568

■ 61.9635, 65.7277,  
73.5770

■ 68.5489, 74.3511,  
89.7917

■ 75.5836, 83.6722,  
106.7744

■ 79.8224, 92.1499,  
108.1874

# Harmonies

## Analogous

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



39.3987, 29.3268, 22.3339



35.4473, 29.3268, 13.4652



29.7734, 29.3268, 10.0020

# Triad

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



35.4473, 29.3268, 13.4652



18.4601, 29.3268, 26.9019



31.8033, 29.3268, 71.0726

# Complementary

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



35.4473, 29.3268, 13.4652



30.1638, 35.8519, 65.0047

# 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.



26.0576, 29.3268, 73.5873



35.4473, 29.3268, 13.4652



18.8496, 29.3268, 43.9478

# Square

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



35.4473, 29.3268, 13.4652



20.3173, 29.3268, 15.8318



21.4648, 29.3268, 62.3839



37.1052, 29.3268, 56.3631



# Rectangle

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



35.4473, 29.3268, 13.4652



25.9930, 29.3268, 10.0178



21.4648, 29.3268, 62.3839



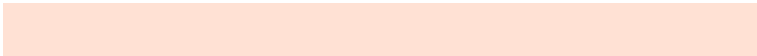
29.8442, 29.3268, 73.5277

# Sweetspot

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



35.4480, 29.3283, 13.4657



80.0709, 79.9786, 73.2733



37.1728, 23.7241, 41.9526



16.8009, 16.6610, 14.9008



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.



35.4480, 29.3283, 13.4657



51.5489, 39.4653, 12.8037



45.0816, 48.5955, 16.6770



12.1069, 12.4046, 12.3683



17.4754, 10.8839, 1.1797



1.0478, 0.7499, 0.0895



# Inverse Universe

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



30.1638, 35.8519, 65.0047



42.2935, 50.5931, 102.1441



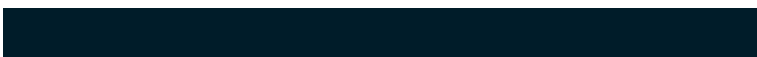
21.5741, 18.6726, 62.1415



11.8326, 12.7555, 15.0821



13.2862, 15.2190, 39.4298



0.8121, 0.9895, 2.2277



# Previews

## White Background



This preview shows how the XYZ color 35.4473, 29.3268, 13.4652 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

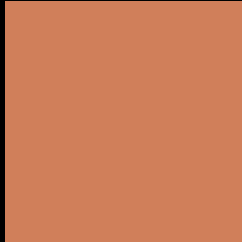
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4473, 29.3268, 13.4652 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 35.4473, 29.3268, 13.4652**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4473, 29.3268, 13.4652.



This preview shows how white text looks on a background with the XYZ color 35.4473, 29.3268,



# 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

35.4473, 29.3268, 13.4652

### Protanopia

27.2917, 29.5352, 15.8177

### Deuteranopia

30.0676, 29.4412, 13.1148



## Tritanopia

37.9202, 29.4066, 25.1502

# Trichromacy



**Original Color**

35.4473, 29.3268, 13.4652

**Protanomaly**

29.5751, 28.9295, 14.8516

**Deuteranomaly**

31.8008, 29.2600, 13.2042

**Tritanomaly**

36.9384, 29.3779, 20.2466

# Monochromacy



**Original Color**

35.4473, 29.3268, 13.4652

**Achromatopsia**

27.7328, 29.1771, 31.7738

**Achromatomaly**

29.5062, 28.6975, 23.7227

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4473, 29.3268, 13.4652 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, 127, 90)` looks like.

```
.text, #text, p{  
    color:rgb(208, 127, 90)  
}
```

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, 127, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 127, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4473, 29.3268, 13.4652 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, 127, 90) }
```



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

```
.border{ border-color:rgb(208, 127, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 127, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 127, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 127, 90);  
box-shadow:4px 4px 4px 4px rgb(208, 127,  
90) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4473, 29.3268, 13.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 127, 90) }
```

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

```
.background{ background-color: rgb(208,  
127, 90) }
```

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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