

Converting Colors

XYZ(36.3708, 28.8871, 12.4629)

Have a look what the booklet for
XYZ(36.3708, 28.8871, 12.4629)
contains.

XYZ(36.3708, 28.8871, 12.4629)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.3708, 28.8871,
12.4629)**

Conversions

Conversions Part 1

Format	Color
Hex	D67A56
RGB	214, 122, 86
RGB Percent	84%, 48%, 34%
CMY	0.1608, 0.5215, 0.6627
CMYK	0.00, 0.43, 0.60, 0.16
HSL	17°, 61%, 59%
HSV	17°, 60%, 84%
XYZ	36.3708, 28.8871, 12.4629
YIQ	145.4040, 66.3880, 8.3080

Conversions

Conversions Part 2

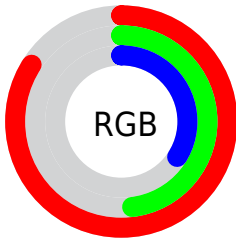
Format	Color
R_{YB}	214, 136, 86
Decimal	14056022
CIE _{Lab}	60.68, 32.48, 35.10
CIE _{LCh}	61, 47.822, 47.226
Yxy	28.8871, 0.4680, 0.3717
Android (android.graphics.Color)	4292246102 (0xFFD67A56)
YUV	145.4040, -29.2862, 60.1587
Hunter-Lab	53.7467, 26.7355, 23.8744

Details

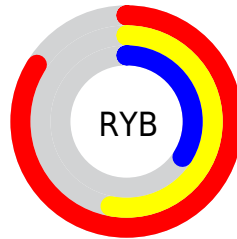
The XYZ color **36.3708, 28.8871, 12.4629** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **31.8947, 38.6721, 69.4014**, and the grayscale version is **27.1755, 28.5907, 31.1353**.

A 20% lighter version of the original color is **61.0139, 53.6975, 30.4414**, and **16.2011, 11.7498, 3.3335** is the 20% darker color. If you saturate the color by 10%, you get **33.8928, 25.1107, 8.0012**, and if you desaturate by 10%, it is **39.4071, 33.3675, 18.3844**.

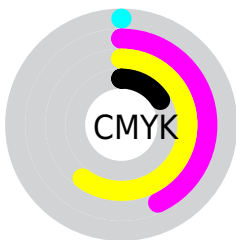
Distribution



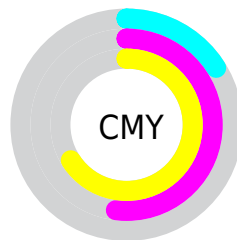
- Red (84%)
- Green (48%)
- Blue (34%)



- Red (84%)
- Yellow (53%)
- Blue (34%)



- Cyan (0%)
- Magenta (43%)
- Yellow (60%)
- Black (16%)





- Cyan (16%)
- Magenta (52%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3708, 28.8871, 12.4629 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 36.3708, 28.8871, 12.4629 by changing the saturation by 10% instead.


 36.3708, 28.8871,
12.4629


 36.3708, 28.8871,
12.4629


321.9814,
296.6819, 218.5317


 24.8921, 18.9954,
6.9334


 68.9241, 57.8977,
31.0123

 16.1250, 11.6670,
3.3427


 90.7295, 77.7853,
44.8694


 9.7041, 6.5173,
1.2722


 116.7079,
101.7738, 62.3393

 5.2639, 3.1621,
0.0388

 147.2245,
130.2475, 83.8407

 2.4393, 1.2170,
0.0000

 182.6449,
163.5907, 109.7921

 0.8647, 0.0755,
0.0000

223.3342,

 0.0000, 0.0000,

202.1879, 140.6121

0.0000

269.6579,
246.4235, 176.7191

■ 36.3708, 28.8871,
12.4629

■ 36.3708, 28.8871,
12.4629

■ 33.8928, 25.1107,
8.0012

■ 39.4071, 33.3675,
18.3844

■ 31.9333, 21.9962,
4.8675

■ 43.0338, 38.5820,
25.8786

■ 30.4495, 19.5036,
2.9088

■ 47.2825, 44.5642,
35.0488

■ 29.3750, 17.5797,
1.8565

■ 52.1820, 51.3443,
45.9893

■ 29.3576, 17.5484,
1.8399

■ 57.7594, 58.9508,
58.7870

■ 64.0398, 67.4107,
73.5234

■ 71.0474, 76.7498,
90.2749

■ 78.4485, 86.8503,
107.2368

■ 81.5414, 93.0361,
108.2678

Harmonies

Analogous

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



40.4848, 28.8871, 22.3894



36.3708, 28.8871, 12.4629



30.1765, 28.8871, 8.5283

Triad

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



36.3708, 28.8871, 12.4629



17.3966, 28.8871, 24.4942



31.1391, 28.8871, 76.6128

Complementary

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



36.3708, 28.8871, 12.4629



31.8947, 38.6721, 69.4014

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.



24.9048, 28.8871, 77.8620



36.3708, 28.8871, 12.4629



17.5740, 28.8871, 42.6823

Square

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



36.3708, 28.8871, 12.4629



19.6045, 28.8871, 13.5021



20.1323, 28.8871, 63.7474



37.1662, 28.8871, 60.7913

Rectangle

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



36.3708, 28.8871, 12.4629



25.9843, 28.8871, 8.2902



20.1323, 28.8871, 63.7474



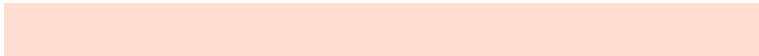
28.9829, 28.8871, 78.9164

Sweetspot

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



36.3715, 28.8886, 12.4634



78.8853, 78.1170, 71.3069



39.2839, 24.2417, 45.7174



16.3940, 16.0465, 14.1507



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.



36.3715, 28.8886, 12.4634



49.4788, 35.8973, 10.3498



46.5794, 49.3043, 15.8661



12.7048, 12.9839, 12.9972



17.8213, 10.7598, 1.1376



1.1448, 0.7889, 0.0919

Inverse Universe

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



31.8947, 38.6721, 69.4014



42.1177, 51.4543, 102.3196



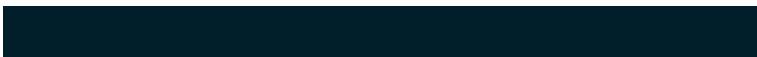
22.2055, 19.2938, 66.1717



12.4832, 13.4899, 15.8834



14.3934, 17.0487, 40.9853



0.9366, 1.1651, 2.4948

Previews

White Background



This preview shows how the XYZ color 36.3708, 28.8871, 12.4629 looks on a white background.

Color Contrast Check

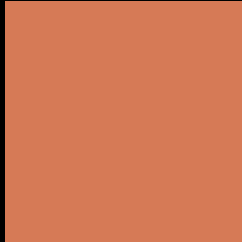
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3708, 28.8871, 12.4629 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 36.3708, 28.8871, 12.4629

Background



This preview shows how black text looks on a background with the XYZ color 36.3708, 28.8871, 12.4629.



This preview shows how white text looks on a background with the XYZ color 36.3708, 28.8871,

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

36.3708, 28.8871, 12.4629

Protanopia

26.9965, 29.1672, 15.0334

Deuteranopia

29.4915, 28.9491, 12.0160



Tritanopia

38.6782, 28.9550, 22.9523

Trichromacy



Original Color

36.3708, 28.8871, 12.4629

Protanomaly

29.8426, 28.6530, 14.0829

Deuteranomaly

31.6871, 28.6061, 12.0350

Tritanomaly

37.7850, 28.9403, 18.6335

Monochromacy



Original Color

36.3708, 28.8871, 12.4629

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.1613, 27.8926, 22.9156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3708, 28.8871, 12.4629 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(214, 122, 86)` looks like.

```
.text, #text, p{  
    color:rgb(214, 122, 86)  
}
```

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(214, 122, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 122, 86) }
```

Border

The CSS property to change the border of an element to XYZ 36.3708, 28.8871, 12.4629 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(214, 122, 86) }
```


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

```
.border{ border-color:rgb(214, 122, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 122, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 122, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 122, 86);  
box-shadow:4px 4px 4px 4px rgb(214, 122,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3708, 28.8871, 12.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 122, 86) }
```

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

```
.background{ background-color: rgb(214,  
122, 86) }
```

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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