

Converting Colors

XYZ(36.1934, 28.7245, 12.2505)

Have a look what the booklet for
XYZ(36.1934, 28.7245, 12.2505)
contains.

XYZ(36.3308, 28.8711, 12.2522)	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(36.3308, 28.8711,
12.2522)**

Conversions

Conversions Part 1

Format	Color
Hex	D67A55
RGB	214, 122, 85
RGB Percent	84%, 48%, 33%
CMY	0.1608, 0.5215, 0.6667
CMYK	0.00, 0.43, 0.60, 0.16
HSL	17°, 61%, 59%
HSV	17°, 60%, 84%
XYZ	36.3308, 28.8711, 12.2522
YIQ	145.2900, 66.7090, 7.9970

Conversions

Conversions Part 2

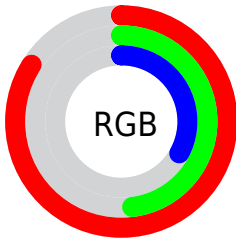
Format	Color
R _Y B	214, 137, 85
Decimal	14056021
CIE Lab	60.67, 32.40, 35.63
CIE LCh	61, 48.161, 47.714
Yxy	28.8711, 0.4691, 0.3728
Android (android.graphics.Color)	4292246101 (0xFFD67A55)
YUV	145.2900, -29.7230, 60.2587
Hunter-Lab	53.7318, 26.6621, 24.0927

Details

The XYZ color **36.3308, 28.8711, 12.2522** 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 **31.6051, 38.2286, 69.3311**, and the grayscale version is **27.1306, 28.5435, 31.0839**.

A 20% lighter version of the original color is **60.9431, 53.6692, 30.0688**, and **16.1848, 11.7432, 3.2474** is the 20% darker color. If you saturate the color by 10%, you get **33.8767, 25.1241, 7.8552**, and if you desaturate by 10%, it is **39.3376, 33.3125, 18.1020**.

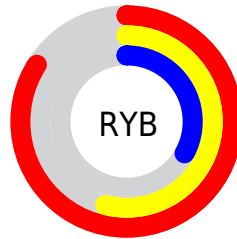
Distribution



Red (84%)

Green (48%)

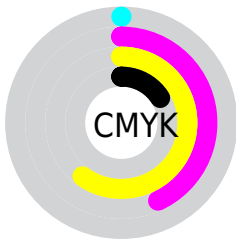
Blue (33%)



Red (84%)

Yellow (54%)

Blue (33%)

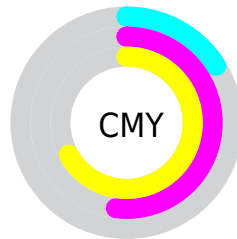


Cyan (0%)

Magenta (43%)

Yellow (60%)

Black (16%)



Cyan (16%)


Magenta (52%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3308, 28.8711, 12.2522 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 36.3308, 28.8711, 12.2522 by changing the saturation by 10% instead.


 36.3308, 28.8711,
12.2522


 36.3308, 28.8711,
12.2522


321.8102,
296.6063, 217.1047


 24.8611, 18.9833,
6.7911


 68.8629, 57.8722,
30.6248

 16.1018, 11.6582,
3.2553


 90.6559, 77.7544,
44.3734


 9.6875, 6.5114,
1.2264


 116.6208,
101.7368, 61.7216

 5.2529, 3.1585,
0.0003

 147.1229,
130.2038, 83.0878

 2.4327, 1.2150,
0.0000

 182.5275,
163.5399, 108.8907

 0.8614, 0.0739,
0.0000

223.2001,

 0.0000, 0.0000,

202.1294, 139.5488

0.0000

269.5058,
246.3567, 175.4806

■ 36.3308, 28.8711,
12.2522

■ 36.3308, 28.8711,
12.2522

■ 33.8767, 25.1241,
7.8552

■ 39.3376, 33.3125,
18.1020

■ 31.9356, 22.0299,
4.7785

■ 42.9289, 38.4778,
25.5180

■ 30.4648, 19.5492,
2.8676

■ 47.1361, 44.4001,
34.6038

■ 29.4210, 17.6752,
1.8610

■ 51.9881, 51.1090,
45.4541

■ 57.5114, 58.6327,
58.1560

■ 63.7313, 66.9978,
72.7910

■ 70.6715, 76.2295,
89.4357

■ 78.1607, 86.2746,
107.1409

■ 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.



40.5298, 28.8711, 22.0972



36.3308, 28.8711, 12.2522



30.0740, 28.8711, 8.3963

Triad

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



36.3308, 28.8711, 12.2522



17.3084, 28.8711, 24.6765



31.2559, 28.8711, 76.8406

Complementary

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



36.3308, 28.8711, 12.2522



31.6051, 38.2286, 69.3311

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.



24.9665, 28.8711, 78.3791



36.3308, 28.8711, 12.2522



17.5256, 28.8711, 43.0922

Square

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



36.3308, 28.8711, 12.2522



19.4879, 28.8711, 13.5215



20.1345, 28.8711, 64.3223



37.3082, 28.8711, 60.6844

Rectangle

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



36.3308, 28.8711, 12.2522



25.8620, 28.8711, 8.2004



20.1345, 28.8711, 64.3223



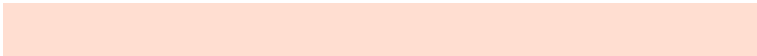
29.0833, 28.8711, 79.2575

Sweetspot

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



36.3315, 28.8726, 12.2527



78.9533, 78.2529, 71.3296



38.9608, 23.9856, 44.4068



16.4104, 16.0792, 14.1562



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.



36.3315, 28.8726, 12.2527



49.6064, 36.1525, 10.3923



46.9406, 50.0908, 15.7891



12.7105, 12.9953, 12.9991



17.8607, 10.8386, 1.1507



1.1478, 0.7948, 0.0929

Inverse Universe

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



31.6051, 38.2286, 69.3311



41.8764, 50.9717, 102.2391



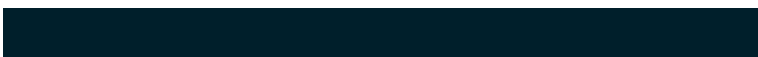
21.7837, 18.5857, 66.0573



12.4772, 13.4779, 15.8814



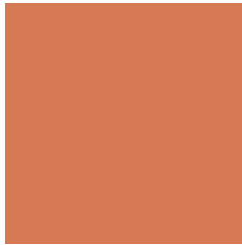
14.2762, 16.8142, 40.9462



0.9303, 1.1525, 2.4927

Previews

White Background



This preview shows how the XYZ color 36.3308, 28.8711, 12.2522 looks on a white background.

Color Contrast Check

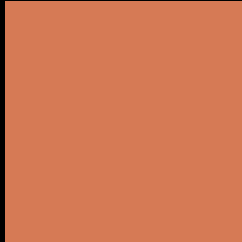
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3308, 28.8711, 12.2522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

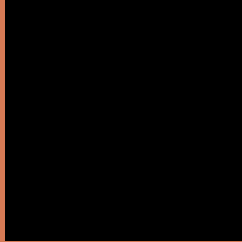
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3308, 28.8711, 12.2522

Background



This preview shows how black text looks on a background with the XYZ color 36.3308, 28.8711, 12.2522.



This preview shows how white text looks on a background with the XYZ color 36.3308, 28.8711,

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

36.3308, 28.8711, 12.2522

Protanopia

26.9513, 29.1492, 14.7955

Deuteranopia

29.4537, 28.9340, 11.8170



Tritanopia

38.6782, 28.9550, 22.9523

Trichromacy



Original Color

36.3308, 28.8711, 12.2522

Protanomaly

29.7992, 28.6356, 13.8542

Deuteranomaly

31.6487, 28.5907, 11.8331

Tritanomaly

37.7302, 28.9184, 18.3451

Monochromacy



Original Color

36.3308, 28.8711, 12.2522

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.0984, 27.8674, 22.5842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3308, 28.8711, 12.2522 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(214, 122, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 122, 85) }
```

Border

The CSS property to change the border of an element to XYZ 36.3308, 28.8711, 12.2522 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, 85) }
```


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

```
.border{ border-color:rgb(214, 122, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 122, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 122, 85);  
box-shadow:4px 4px 4px 4px rgb(214, 122,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3308, 28.8711, 12.2522 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, 85) }
```

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

```
.background{ background-color: rgb(214,  
122, 85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor