

Converting Colors

XYZ(33.7913, 25.6167, 8.6005)

Have a look what the booklet for
XYZ(33.7913, 25.6167, 8.6005)
contains.

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Color

**XYZ(33.7707, 25.5663,
8.6237)**

Conversions

Conversions Part 1

Format	Color
Hex	D46E44
RGB	212, 110, 68
RGB Percent	83%, 43%, 27%
CMY	0.1686, 0.5686, 0.7333
CMYK	0.00, 0.48, 0.68, 0.17
HSL	18°, 63%, 55%
HSV	18°, 68%, 83%
XYZ	33.7707, 25.5663, 8.6237
YIQ	135.7100, 74.2740, 8.5620

Conversions

Conversions Part 2

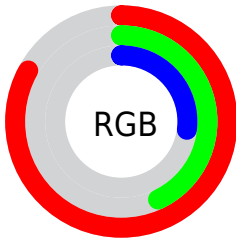
Format	Color
RYB	212, 127, 68
Decimal	13921860
CIELab	57.62, 36.80, 41.05
CIElCh	58, 55.125, 48.126
Yxy	25.5663, 0.4969, 0.3762
Android (android.graphics.Color)	4292111940 (0xFFD46E44)
YUV	135.7100, -33.3810, 66.9063
Hunter-Lab	50.5631, 30.7332, 25.2821

Details

The XYZ color **33.7707, 25.5663, 8.6237** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **28.6411, 34.7295, 67.4809**, and the grayscale version is **23.3954, 24.6138, 26.8045**.

A 20% lighter version of the original color is **57.6072, 48.7624, 23.5154**, and **14.6482, 9.8575, 1.8401** is the 20% darker color. If you saturate the color by 10%, you get **31.7517, 22.3834, 5.3153**, and if you desaturate by 10%, it is **36.2993, 29.3946, 13.2561**.

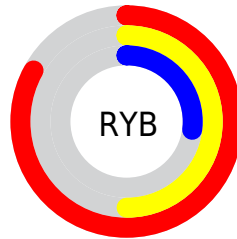
Distribution



Red (83%)

Green (43%)

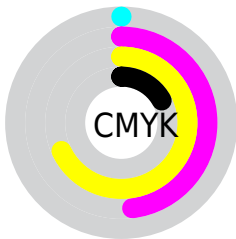
Blue (27%)



Red (83%)

Yellow (50%)

Blue (27%)

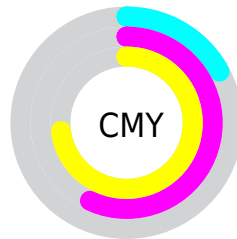


Cyan (0%)

Magenta (48%)

Yellow (68%)

Black (17%)



Cyan (17%)


Magenta (57%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7707, 25.5663, 8.6237 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 33.7707, 25.5663, 8.6237 by changing the saturation by 10% instead.


 33.7707, 25.5663,
8.6237


 33.7707, 25.5663,
8.6237


310.7123,
280.6465, 190.6589


 22.8796, 16.4995,
4.4031


 64.9236, 52.5744,
23.7384

 14.6248, 9.8783,
1.8490


 85.9160, 71.2846,
35.4696


 8.6411, 5.3183,
0.4600


 111.0063, 93.9779,
50.5415

 4.5630, 2.4352,
0.0000

 140.5598,
121.0388, 69.3725

 2.0253, 0.8439,
0.0000

 174.9417,
152.8517, 92.3812

 0.6481, 0.0000,
0.0000

214.5176,

 0.0000, 0.0000,

189.8011, 119.9861

0.0000

259.6527,
232.2712, 152.6058

■ 33.7707, 25.5663,
8.6237

■ 33.7707, 25.5663,
8.6237

■ 31.7517, 22.3834,
5.3153

■ 36.2993, 29.3946,
13.2561

■ 30.2001, 19.8035,
3.1848

■ 39.3712, 33.8989,
19.3347

■ 29.0633, 17.7826,
2.0270

■ 43.0191, 39.1127,
26.9691

■ 28.8653, 17.4251,
1.8420

■ 47.2723, 45.0659,
36.2579

■ 52.1581, 51.7867,
47.2917

■ 57.7020, 59.3016,
60.1540

■ 63.9280, 67.6360,
74.9234

■ 70.8589, 76.8140,
91.6736

■ 77.8985, 86.6115,
107.2198

Harmonies

Analogous

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



38.4311, 25.5663, 18.0102



33.7707, 25.5663, 8.6237



26.9999, 25.5663, 5.2927

Triad

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



33.7707, 25.5663, 8.6237



13.8949, 25.5663, 21.0220



28.4564, 25.5663, 78.4868

Complementary

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



33.7707, 25.5663, 8.6237



28.6411, 34.7295, 67.4809

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.



21.7864, 25.5663, 80.5476



33.7707, 25.5663, 8.6237



14.1426, 25.5663, 40.7132

Square

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



33.7707, 25.5663, 8.6237



16.0378, 25.5663, 9.9686



16.7895, 25.5663, 64.5157



35.0015, 25.5663, 59.7406

Rectangle

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



33.7707, 25.5663, 8.6237



22.5536, 25.5663, 5.1577



16.7895, 25.5663, 64.5157



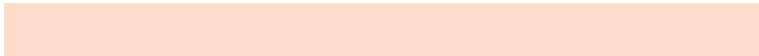
26.1343, 25.5663, 81.3869

Sweetspot

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



33.7713, 25.5677, 8.6242



77.4386, 76.2186, 67.7570



36.5882, 21.0793, 40.7683



16.1162, 15.6840, 13.4627



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.



33.7713, 25.5677, 8.6242



46.9781, 31.9503, 6.2654



44.6778, 47.3807, 12.2597



12.7155, 13.0052, 13.0008



17.8956, 10.9085, 1.1623



1.1504, 0.8001, 0.0938

Inverse Universe

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



28.6411, 34.7295, 67.4809



38.4648, 46.3837, 101.5334



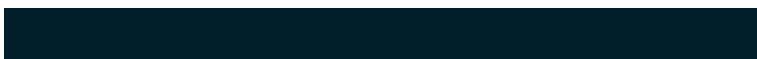
18.7485, 14.9442, 64.1833



12.4720, 13.4674, 15.8796



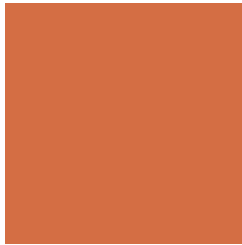
14.1752, 16.6121, 40.9125



0.9248, 1.1416, 2.4909

Previews

White Background



This preview shows how the XYZ color 33.7707, 25.5663, 8.6237 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 33.7707, 25.5663, 8.6237 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 33.7707, 25.5663, 8.6237

Background



This preview shows how black text looks on a background with the XYZ color 33.7707, 25.5663, 8.6237.



This preview shows how white text looks on a background with the XYZ color 33.7707, 25.5663,

8.6237.

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

33.7707, 25.5663, 8.6237

Protanopia

23.7446, 25.7876, 10.9338

Deuteranopia

26.1617, 25.6321, 8.2712



Tritanopia

35.7078, 25.5691, 18.3826

Trichromacy



Original Color

33.7707, 25.5663, 8.6237

Protanomaly

26.4108, 24.9314, 9.8988

Deuteranomaly

28.6553, 25.3618, 8.3860

Tritanomaly

34.8096, 25.5061, 14.1548

Monochromacy



Original Color

33.7707, 25.5663, 8.6237

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.7685, 24.2190, 18.3555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7707, 25.5663, 8.6237 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(212, 110, 68)` looks like.

```
.text, #text, p{  
    color:rgb(212, 110, 68)  
}
```

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(212, 110, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 110, 68) }
```

Border

The CSS property to change the border of an element to XYZ 33.7707, 25.5663, 8.6237 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(212, 110, 68) }
```


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

```
.border{ border-color:rgb(212, 110, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 110, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 110, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 110, 68);  
box-shadow:4px 4px 4px 4px rgb(212, 110,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7707, 25.5663, 8.6237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 110, 68) }
```

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

```
.background{ background-color: rgb(212,  
110, 68) }
```

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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