

Converting Colors

XYZ(33.7624, 25.0937, 7.6985)

Have a look what the booklet for
XYZ(33.7624, 25.0937, 7.6985)
contains.

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Color

**XYZ(33.8865, 25.1704,
7.7750)**

Conversions

Conversions Part 1

Format	Color
Hex	D66B3F
RGB	214, 107, 63
RGB Percent	84%, 42%, 25%
CMY	0.1608, 0.5804, 0.7529
CMYK	0.00, 0.50, 0.71, 0.16
HSL	17°, 65%, 54%
HSV	17°, 71%, 84%
XYZ	33.8865, 25.1704, 7.7750
YIQ	133.9770, 77.8960, 9.0000

Conversions

Conversions Part 2

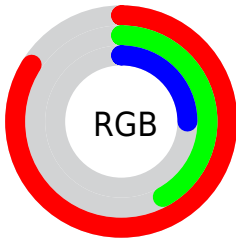
Format	Color
RYB	214, 125, 63
Decimal	14052159
CIELab	57.24, 38.85, 43.30
CIElCh	57, 58.174, 48.106
Yxy	25.1704, 0.5070, 0.3766
Android (android.graphics.Color)	4292242239 (0xFFD66B3F)
YUV	133.9770, -34.9917, 70.1802
Hunter-Lab	50.1701, 32.7669, 25.9307

Details

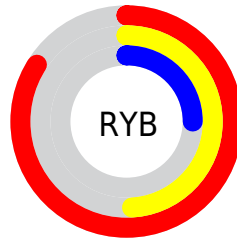
The XYZ color **33.8865, 25.1704, 7.7750** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **28.5612, 34.6592, 68.8026**, and the grayscale version is **22.7568, 23.9419, 26.0728**.

A 20% lighter version of the original color is **56.7354, 47.5715, 21.5212**, and **14.6373, 9.6351, 1.5402** is the 20% darker color. If you saturate the color by 10%, you get **31.9558, 22.0876, 4.7324**, and if you desaturate by 10%, it is **36.3279, 28.9034, 12.1344**.

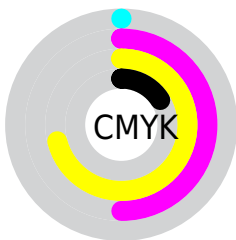
Distribution



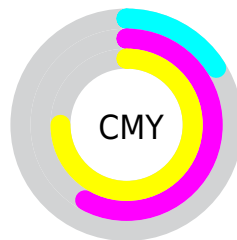
- Red (84%)
- Green (42%)
- Blue (25%)



- Red (84%)
- Yellow (49%)
- Blue (25%)



- Cyan (0%)
- Magenta (50%)
- Yellow (71%)
- Black (16%)





- Cyan (16%)
- Magenta (58%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8865, 25.1704, 7.7750 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 33.8865, 25.1704, 7.7750 by changing the saturation by 10% instead.


 33.8865, 25.1704,
7.7750


 33.8865, 25.1704,
7.7750

311.2205,
278.6855, 183.8246


 22.9689, 16.2041,
3.8656

 65.1026, 51.9335,
22.0550

 14.6911, 9.6687,
1.5519


 86.1318, 70.4991,
33.2627

 8.6878, 5.1798,
0.2562


 111.2622, 93.0332,
47.7402

 4.5936, 2.3532,
0.0000

 140.8593,
119.9202, 65.9062

 2.0431, 0.8016,
0.0000

 175.2883,
151.5446, 88.1790

 0.6580, 0.0000,
0.0000

 214.9146,

 0.0000, 0.0000,

188.2906, 114.9774

0.0000

260.1035,
230.5428, 146.7197

■ 33.8865, 25.1704,
7.7750

■ 33.8865, 25.1704,
7.7750

■ 31.9558, 22.0876,
4.7324

■ 36.3279, 28.9034,
12.1344

■ 30.4910, 19.6104,
2.8494

■ 39.3158, 33.3188,
17.9406

■ 29.4740, 17.7812,
1.8787

■ 42.8844, 38.4518,
25.3092

■ 47.0645, 44.3333,
34.3438

■ 51.8844, 50.9927,
45.1388

■ 57.3708, 58.4576,
57.7818

■ 63.5486, 66.7543,
72.3541

■ 70.4415, 75.9078,
88.9326

■ 77.9751, 85.9033,
107.0790

Harmonies

Analogous

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



38.8247, 25.1704, 17.2401



33.8865, 25.1704, 7.7750



26.7545, 25.1704, 4.5400

Triad

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



33.8865, 25.1704, 7.7750



13.1755, 25.1704, 20.3173



28.2736, 25.1704, 81.4728

Complementary

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



33.8865, 25.1704, 7.7750



28.5612, 34.6592, 68.8026

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.



21.3000, 25.1704, 83.6886



33.8865, 25.1704, 7.7750



13.4262, 25.1704, 40.9428

Square

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



33.8865, 25.1704, 7.7750



15.3676, 25.1704, 9.0964



16.1344, 25.1704, 66.3747



35.1806, 25.1704, 61.2776

Rectangle

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



33.8865, 25.1704, 7.7750



22.1070, 25.1704, 4.4101



16.1344, 25.1704, 66.3747



25.8373, 25.1704, 84.6073

Sweetspot

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



33.8871, 25.1718, 7.7754



76.6629, 75.1528, 66.0017



36.8804, 20.7998, 40.7075



15.9640, 15.4738, 13.1214



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.



33.8871, 25.1718, 7.7754



46.2882, 30.7901, 5.3584



45.2102, 47.8181, 11.5498



12.7152, 13.0046, 13.0007



17.8936, 10.9044, 1.1617



1.1503, 0.7998, 0.0937

Inverse Universe

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



28.5612, 34.6592, 68.8026



37.6715, 45.2628, 101.3588



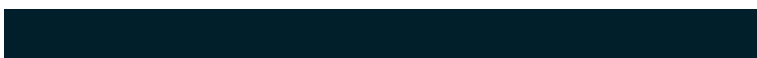
18.3447, 14.2262, 65.3971



12.4723, 13.4680, 15.8797



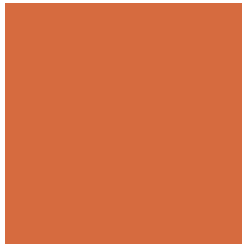
14.1810, 16.6238, 40.9144



0.9251, 1.1422, 2.4910

Previews

White Background



This preview shows how the XYZ color 33.8865, 25.1704, 7.7750 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 33.8865, 25.1704, 7.7750 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 33.8865, 25.1704, 7.7750

Background



This preview shows how black text looks on a background with the XYZ color 33.8865, 25.1704, 7.7750.



This preview shows how white text looks on a background with the XYZ color 33.8865, 25.1704,

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

33.8865, 25.1704, 7.7750

Protanopia

23.2400, 25.3334, 9.9683

Deuteranopia

25.6494, 25.1859, 7.3804



Tritanopia

35.8306, 25.2058, 17.4447

Trichromacy



Original Color

33.8865, 25.1704, 7.7750

Protanomaly

26.3427, 24.7224, 9.0137

Deuteranomaly

28.2425, 24.7996, 7.4359

Tritanomaly

34.9064, 25.1204, 13.1342

Monochromacy



Original Color

33.8865, 25.1704, 7.7750

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.0187, 23.2845, 17.3631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8865, 25.1704, 7.7750 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, 107, 63)` looks like.

```
.text, #text, p{  
    color:rgb(214, 107, 63)  
}
```

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, 107, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 107, 63) }
```

Border

The CSS property to change the border of an element to XYZ 33.8865, 25.1704, 7.7750 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, 107, 63) }
```


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

```
.border{ border-color:rgb(214, 107, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 107, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 107, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 107, 63);  
box-shadow:4px 4px 4px 4px rgb(214, 107,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8865, 25.1704, 7.7750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 107, 63) }
```

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

```
.background{ background-color: rgb(214,  
107, 63) }
```

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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