

# Converting Colors

XYZ(33.3715, 25.4088, 6.5138)

Have a look what the booklet for  
XYZ(33.3715, 25.4088, 6.5138)  
contains.

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# Color

**XYZ(33.3699, 25.4060,  
6.5132)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D46E35
RGB	212, 110, 53
RGB Percent	83%, 43%, 21%
CMY	0.1686, 0.5686, 0.7922
CMYK	0.00, 0.48, 0.75, 0.17
HSL	22°, 65%, 52%
HSV	22°, 75%, 83%
XYZ	33.3699, 25.4060, 6.5132
YIQ	134.0000, 79.0890, 3.8970

# Conversions

## Conversions Part 2

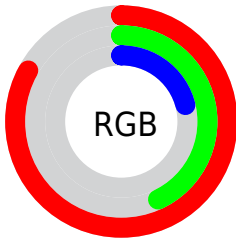
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 142, 53
Decimal	13921845
CIE Lab	57.47, 36.05, 48.45
CIE LCh	57, 60.394, 53.347
Yxy	25.4060, 0.5111, 0.3891
Android (android.graphics.Color)	4292111925 (0xFFD46E35)
YUV	134.0000, -39.9330, 68.4060
Hunter-Lab	50.4044, 29.9672, 27.6217

# Details

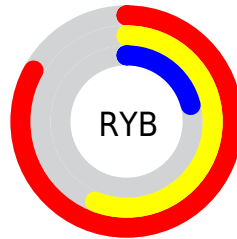
The XYZ color **33.3699, 25.4060, 6.5132** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **25.0721, 28.9509, 66.5535**, and the grayscale version is **22.7826, 23.9691, 26.1023**.

A 20% lighter version of the original color is **56.7854, 48.4337, 19.1877**, and **14.3784, 9.8110, 1.1359** is the 20% darker color. If you saturate the color by 10%, you get **31.6294, 22.5405, 4.0361**, and if you desaturate by 10%, it is **35.5524, 28.8108, 10.2014**.

# Distribution



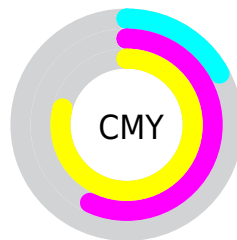
- Red (83%)
- Green (43%)
- Blue (21%)



- Red (83%)
- Yellow (56%)
- Blue (21%)



- Cyan (0%)
- Magenta (48%)
- Yellow (75%)
- Black (17%)




- Cyan (17%)
- Magenta (57%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3699, 25.4060, 6.5132 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 33.3699, 25.4060, 6.5132 by changing the saturation by 10% instead.




 33.3699, 25.4060,  
6.5132


 33.3699, 25.4060,  
6.5132


308.9488,  
279.8539, 173.0297


 22.5706, 16.3798,  
3.0858

 64.3034, 52.3151,  
19.4829


 14.3957, 9.7933,  
1.1386


 85.1683, 70.9668,  
29.8623

 8.4799, 5.2621,  
0.0000


 110.1191, 93.5958,  
43.3960

 4.4579, 2.4019,  
0.0000

 139.5211,  
120.5865, 60.5027

 1.9643, 0.8269,  
0.0000

 173.7398,  
152.3232, 81.6009

 0.6138, 0.0000,  
0.0000

 213.1404,

 0.0000, 0.0000,

189.1904, 107.1091

0.0000

258.0883,  
231.5725, 137.4458

■ 33.3699, 25.4060,  
6.5132

■ 33.3699, 25.4060,  
6.5132

■ 31.6294, 22.5405,  
4.0361

■ 35.5524, 28.8108,  
10.2014

■ 30.2879, 20.1775,  
2.6029

■ 38.2099, 32.7802,  
15.2357

■ 29.7361, 19.1669,  
2.1323

■ 41.3738, 37.3422,  
21.7341

■ 45.0720, 42.5217,  
29.8013

■ 49.3302, 48.3420,  
39.5324

■ 54.1722, 54.8250,  
51.0146

■ 59.6204, 61.9916,  
64.3292

■ 65.6960, 69.8618,  
79.5524

■ 72.4191, 78.4546,  
96.7558

# Harmonies

## Analogous

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



39.1830, 25.4060, 14.7585



33.3699, 25.4060, 6.5132



25.7840, 25.4060, 4.0356

# Triad

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



33.3699, 25.4060, 6.5132



12.8602, 25.4060, 23.3271



30.0470, 25.4060, 82.2134

# Complementary

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



33.3699, 25.4060, 6.5132



25.0721, 28.9509, 66.5535

# 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.



22.5821, 25.4060, 88.5138



33.3699, 25.4060, 6.5132



13.5544, 25.4060, 46.4927

# Square

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



33.3699, 25.4060, 6.5132



14.6731, 25.4060, 10.1274



16.8034, 25.4060, 73.0967



37.0139, 25.4060, 58.6443



# Rectangle

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



33.3699, 25.4060, 6.5132



21.0967, 25.4060, 4.2621



16.8034, 25.4060, 73.0967



27.4794, 25.4060, 86.7832

# Sweetspot

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



33.3705, 25.4074, 6.5136



76.8722, 76.0490, 64.5993



34.4548, 18.9555, 33.4509



16.0415, 15.7216, 12.8613



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.



33.3705, 25.4074, 6.5136



46.7606, 32.0117, 4.6626



45.8090, 50.2844, 10.6598



12.7840, 13.1422, 13.0236



18.4443, 12.0059, 1.3452



1.1896, 0.8784, 0.1068



# Inverse Universe

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



25.0721, 28.9509, 66.5535



33.3527, 37.2119, 100.0325



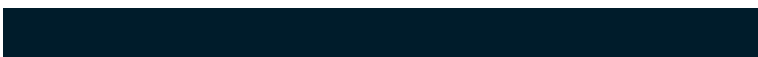
15.9953, 10.7973, 63.5279



12.4003, 13.3240, 15.8557



12.8687, 13.9992, 40.4770



0.8532, 0.9984, 2.4671



# Previews

## White Background



This preview shows how the XYZ color 33.3699, 25.4060, 6.5132 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 33.3699, 25.4060, 6.5132 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 33.3699, 25.4060, 6.5132**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.3699, 25.4060, 6.5132.



This preview shows how white text looks on a background with the XYZ color 33.3699, 25.4060,



# 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

33.3699, 25.4060, 6.5132

### Protanopia

23.4013, 25.6722, 8.1367

### Deuteranopia

25.9979, 25.5920, 6.2588



## Tritanopia

35.8439, 25.4954, 18.0708

# Trichromacy



## Original Color

33.3699, 25.4060, 6.5132

## Protanomaly

26.1621, 24.8578, 7.4221

## Deuteranomaly

28.2555, 25.2018, 6.2809

## Tritanomaly

34.7311, 25.3424, 12.7339

# Monochromacy



## Original Color

33.3699, 25.4060, 6.5132

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

24.7837, 23.3685, 16.5689

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.3699, 25.4060, 6.5132 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(212, 110, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 110, 53) }
```

## Border

The CSS property to change the border of an element to XYZ 33.3699, 25.4060, 6.5132 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, 53) }
```



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

```
.border{ border-color:rgb(212, 110, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 110, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 110, 53);  
box-shadow:4px 4px 4px 4px rgb(212, 110,  
53) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.3699, 25.4060, 6.5132 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, 53) }
```

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

```
.background{ background-color: rgb(212,  
110, 53) }
```

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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