

Converting Colors

XYZ(33.7661, 25.7802, 4.6607)

Have a look what the booklet for
XYZ(33.7661, 25.7802, 4.6607)
contains.

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Color

**XYZ(33.6905, 25.7748,
4.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	D66F21
RGB	214, 111, 33
RGB Percent	84%, 44%, 13%
CMY	0.1608, 0.5647, 0.8706
CMYK	0.00, 0.48, 0.85, 0.16
HSL	26°, 73%, 48%
HSV	26°, 85%, 84%
XYZ	33.6905, 25.7748, 4.6382
YIQ	132.9050, 86.4260, -2.4220

Conversions

Conversions Part 2

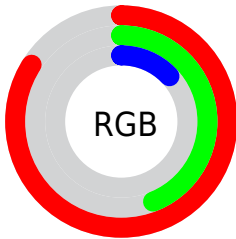
Format	Color
R_{YB}	214, 170, 33
Decimal	14053153
CIE _{Lab}	57.82, 35.65, 57.43
CIE _{LCh}	58, 67.599, 58.167
Yxy	25.7748, 0.5256, 0.4021
Android (android.graphics.Color)	4292243233 (0xFFD66F21)
YUV	132.9050, -49.2532, 71.1203
Hunter-Lab	50.7689, 29.6080, 30.1215

Details

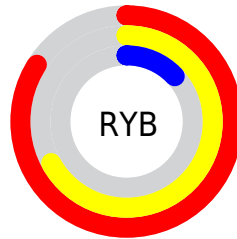
The XYZ color **33.6905, 25.7748, 4.6382** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **21.5683, 22.7854, 66.8791**, and the grayscale version is **22.4121, 23.5793, 25.6779**.

A 20% lighter version of the original color is **56.1552, 48.4668, 14.9897**, and **14.6176, 10.0129, 1.1622** is the 20% darker color. If you saturate the color by 10%, you get **32.2410, 23.2130, 3.1165**, and if you desaturate by 10%, it is **35.5125, 28.7778, 7.2228**.

Distribution



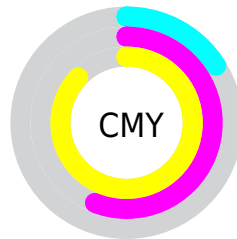
- Red (84%)
- Green (44%)
- Blue (13%)



- Red (84%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (48%)
- Yellow (85%)
- Black (16%)





- Cyan (16%)
- Magenta (56%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6905, 25.7748, 4.6382 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 33.6905, 25.7748, 4.6382 by changing the saturation by 10% instead.


 33.6905, 25.7748,
4.6382


 33.6905, 25.7748,
4.6382


310.3600,
281.6748, 155.0748


 22.8177, 16.6552,
1.9816


 64.7996, 52.9114,
15.4568

 14.5789, 9.9890,
0.5439


 85.7666, 71.6973,
24.4558


 8.6088, 5.3917,
0.0000


 110.8290, 94.4740,
36.4061

 4.5419, 2.4788,
0.0000

 140.3522,
121.6260, 51.7261

 2.0131, 0.8660,
0.0000

 174.7015,
153.5377, 70.8345

 0.6413, 0.0000,
0.0000

 214.2424,

 0.0000, 0.0000,

190.5935, 94.1497

0.0000

259.3401,
233.1777, 122.0903

■ 33.6905, 25.7748,
4.6382

■ 33.6905, 25.7748,
4.6382

■ 32.2410, 23.2130,
3.1165

■ 35.5125, 28.7778,
7.2228

■ 31.5782, 21.9897,
2.5801

■ 37.7435, 32.2440,
11.0360

■ 40.4161, 36.1982,
16.2157

■ 43.5589, 40.6615,
22.8806

■ 47.1973, 45.6538,
31.1364

■ 51.3550, 51.1936,
41.0793

■ 56.0538, 57.2982,
52.7973

■ 61.3142, 63.9844,
66.3727

■ 67.1557, 71.2681,
81.8823

Harmonies

Analogous

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



41.0012, 25.7748, 11.8063



33.6905, 25.7748, 4.6382



25.0009, 25.7748, 2.8983

Triad

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



33.6905, 25.7748, 4.6382



11.9719, 25.7748, 26.6584



32.6322, 25.7748, 88.8213

Complementary

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



33.6905, 25.7748, 4.6382



21.5683, 22.7854, 66.8791

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.



24.0022, 25.7748, 100.6787



33.6905, 25.7748, 4.6382



13.1508, 25.7748, 54.9060

Square

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



33.6905, 25.7748, 4.6382



13.4834, 25.7748, 10.4694



17.1513, 25.7748, 85.7740



40.3013, 25.7748, 58.8727

Rectangle

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



33.6905, 25.7748, 4.6382



19.9454, 25.7748, 3.4115



17.1513, 25.7748, 85.7740



29.6958, 25.7748, 95.5967

Sweetspot

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



33.6911, 25.7762, 4.6386



75.9312, 75.5519, 60.0156



32.9051, 17.2359, 25.8596



15.7675, 15.5294, 11.6728



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.



33.6911, 25.7762, 4.6386



46.8048, 32.3897, 3.7849



48.4101, 55.2142, 9.5450



12.8590, 13.2922, 13.0486



19.1861, 13.4895, 1.5925



1.2385, 0.9763, 0.1232

Inverse Universe

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



21.5683, 22.7854, 66.8791



28.1911, 27.5023, 98.4304



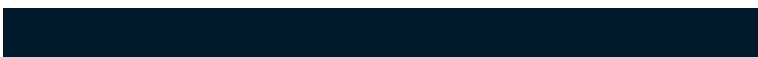
13.8253, 7.2993, 64.2981



12.3232, 13.1699, 15.8301



11.6313, 11.5245, 40.0646



0.7831, 0.8581, 2.4437

Previews

White Background



This preview shows how the XYZ color 33.6905, 25.7748, 4.6382 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 33.6905, 25.7748, 4.6382 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 33.6905, 25.7748, 4.6382

Background



This preview shows how black text looks on a background with the XYZ color 33.6905, 25.7748, 4.6382.



This preview shows how white text looks on a background with the XYZ color 33.6905, 25.7748,

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

33.6905, 25.7748, 4.6382

Protanopia

23.4714, 25.9773, 5.7845

Deuteranopia

26.3006, 25.7906, 4.3509



Tritanopia

36.4348, 25.8000, 18.0985

Trichromacy



Original Color

33.6905, 25.7748, 4.6382

Protanomaly

26.3156, 25.1812, 5.2237

Deuteranomaly

28.6293, 25.4370, 4.3782

Tritanomaly

35.1379, 25.7389, 11.2997

Monochromacy



Original Color

33.6905, 25.7748, 4.6382

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.3916, 23.2117, 14.5040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6905, 25.7748, 4.6382 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, 111, 33)` looks like.

```
.text, #text, p{  
    color:rgb(214, 111, 33)  
}
```

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, 111, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 111, 33) }
```

Border

The CSS property to change the border of an element to XYZ 33.6905, 25.7748, 4.6382 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, 111, 33) }
```


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

```
.border{ border-color:rgb(214, 111, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 111, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 111, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 111, 33);  
box-shadow:4px 4px 4px 4px rgb(214, 111,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6905, 25.7748, 4.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 111, 33) }
```

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

```
.background{ background-color: rgb(214,  
111, 33) }
```

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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