

Converting Colors

XYZ(33.8516, 25.4956, 6.4735)

Have a look what the booklet for
XYZ(33.8516, 25.4956, 6.4735)
contains.

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Color

**XYZ(33.8428, 25.4905,
6.5046)**

Conversions

Conversions Part 1

Format	Color
Hex	D66D35
RGB	214, 109, 53
RGB Percent	84%, 43%, 21%
CMY	0.1608, 0.5725, 0.7922
CMYK	0.00, 0.49, 0.75, 0.16
HSL	21°, 66%, 52%
HSV	21°, 75%, 84%
XYZ	33.8428, 25.4905, 6.5046
YIQ	134.0110, 80.5560, 4.8440

Conversions

Conversions Part 2

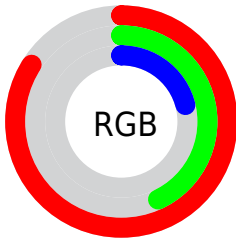
Format	Color
R_{YB}	214, 139, 53
Decimal	14052661
CIE Lab	57.55, 37.36, 48.63
CIE LCh	58, 61.323, 52.464
Yxy	25.4905, 0.5140, 0.3872
Android (android.graphics.Color)	4292242741 (0xFFD66D35)
YUV	134.0110, -39.9384, 70.1504
Hunter-Lab	50.4881, 31.2965, 27.7031

Details

The XYZ color **33.8428, 25.4905, 6.5046** 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 **25.8316, 30.0635, 68.0592**, and the grayscale version is **22.7863, 23.9730, 26.1066**.

A 20% lighter version of the original color is **56.6085, 48.0799, 19.1287**, and **14.6499, 9.7984, 1.1191** is the 20% darker color. If you saturate the color by 10%, you get **32.0835, 22.5919, 4.0080**, and if you desaturate by 10%, it is **36.0593, 28.9525, 10.2376**.

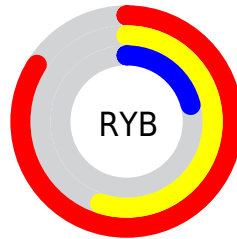
Distribution



Red (84%)

Green (43%)

Blue (21%)



Red (84%)

Yellow (55%)

Blue (21%)

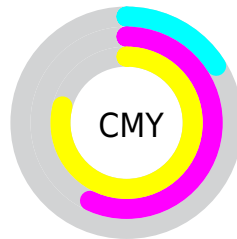


Cyan (0%)

Magenta (49%)

Yellow (75%)

Black (16%)



Cyan (16%)


Magenta (57%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8428, 25.4905, 6.5046 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 33.8428, 25.4905, 6.5046 by changing the saturation by 10% instead.


 33.8428, 25.4905,
6.5046


 33.8428, 25.4905,
6.5046


311.0288,
280.2719, 172.9531


 22.9352, 16.4429,
3.0806


 65.0351, 52.4518,
19.4650

 14.6661, 9.8381,
1.1359


 86.0504, 71.1344,
29.8385


 8.6702, 5.2917,
0.0000


 111.1657, 93.7973,
43.3656

 4.5820, 2.4194,
0.0000

 140.7463,
120.8250, 60.4647

 2.0364, 0.8359,
0.0000

 175.1575,
152.6019, 81.5545

 0.6543, 0.0000,
0.0000

 214.7648,

 0.0000, 0.0000,

189.5125, 107.0534

0.0000

259.9334,
231.9410, 137.3801

■ 33.8428, 25.4905,
6.5046

■ 33.8428, 25.4905,
6.5046

■ 32.0835, 22.5919,
4.0080

■ 36.0593, 28.9525,
10.2376

■ 30.7368, 20.2175,
2.5753

■ 38.7676, 33.0050,
15.3458

■ 30.2098, 19.2529,
2.1240

■ 42.0004, 37.6778,
21.9507

■ 45.7869, 42.9973,
30.1597

■ 50.1537, 48.9883,
40.0706

■ 55.1258, 55.6742,
51.7730

■ 60.7265, 63.0771,
65.3502

■ 66.9779, 71.2182,
80.8804

■ 73.9009, 80.1177,
98.4373

Harmonies

Analogous

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



39.6812, 25.4905, 15.0373



33.8428, 25.4905, 6.5046



26.1190, 25.4905, 3.9161

Triad

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



33.8428, 25.4905, 6.5046



12.7920, 25.4905, 22.8020



30.0069, 25.4905, 84.0692

Complementary

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



33.8428, 25.4905, 6.5046



25.8316, 30.0635, 68.0592

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.



22.4305, 25.4905, 89.8656



33.8428, 25.4905, 6.5046



13.4196, 25.4905, 46.1580

Square

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



33.8428, 25.4905, 6.5046



14.7020, 25.4905, 9.7410



16.6320, 25.4905, 73.4918



37.1740, 25.4905, 60.2238

Rectangle

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



33.8428, 25.4905, 6.5046



21.3185, 25.4905, 4.0813



16.6320, 25.4905, 73.4918



27.3907, 25.4905, 88.5563

Sweetspot

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



33.8434, 25.4919, 6.5050



75.9928, 74.7596, 62.8585



35.3789, 19.3921, 35.2892



15.7225, 15.2645, 12.1971



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.



33.8434, 25.4919, 6.5050



46.5067, 31.5039, 4.5779



46.1796, 50.1643, 10.6171



12.7730, 13.1203, 13.0200



18.3482, 11.8137, 1.3132



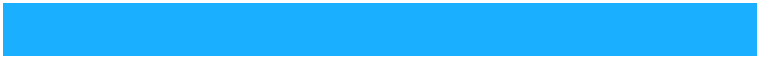
1.1830, 0.8651, 0.1046

Inverse Universe

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



25.8316, 30.0635, 68.0592



33.8254, 38.1573, 100.1900



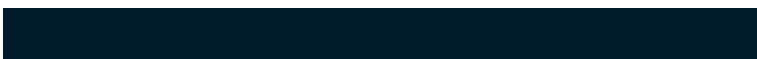
16.4624, 11.3251, 64.9361



12.4117, 13.3468, 15.8595



13.0665, 14.3947, 40.5429



0.8642, 1.0204, 2.4707

Previews

White Background



This preview shows how the XYZ color 33.8428, 25.4905, 6.5046 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 33.8428, 25.4905, 6.5046 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 33.8428, 25.4905, 6.5046

Background



This preview shows how black text looks on a background with the XYZ color 33.8428, 25.4905, 6.5046.



This preview shows how white text looks on a background with the XYZ color 33.8428, 25.4905,

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

33.8428, 25.4905, 6.5046

Protanopia

23.4285, 25.6831, 8.2799

Deuteranopia

25.9979, 25.5920, 6.2588



Tritanopia

36.2800, 25.5780, 17.7767

Trichromacy



Original Color

33.8428, 25.4905, 6.5046

Protanomaly

26.4131, 24.9842, 7.5680

Deuteranomaly

28.5011, 25.3284, 6.2924

Tritanomaly

35.1736, 25.4233, 12.5045

Monochromacy



Original Color

33.8428, 25.4905, 6.5046

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.9877, 23.4737, 16.5785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8428, 25.4905, 6.5046 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, 109, 53)` looks like.

```
.text, #text, p{  
    color:rgb(214, 109, 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(214, 109, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 109, 53) }
```

Border

The CSS property to change the border of an element to XYZ 33.8428, 25.4905, 6.5046 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, 109, 53) }
```


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

```
.border{ border-color:rgb(214, 109, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 109, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 109, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 109, 53);  
box-shadow:4px 4px 4px 4px rgb(214, 109,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8428, 25.4905, 6.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 109, 53) }
```

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

```
.background{ background-color: rgb(214,  
109, 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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