

Converting Colors

XYZ(33.0643, 24.9002, 4.8059)

Have a look what the booklet for
XYZ(33.0643, 24.9002, 4.8059)
contains.

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Color

**XYZ(33.1371, 25.0048,
4.8302)**

Conversions

Conversions Part 1

Format	Color
Hex	D56C25
RGB	213, 108, 37
RGB Percent	84%, 42%, 15%
CMY	0.1647, 0.5764, 0.8549
CMYK	0.00, 0.49, 0.83, 0.16
HSL	24°, 70%, 49%
HSV	24°, 83%, 84%
XYZ	33.1371, 25.0048, 4.8302
YIQ	131.3010, 85.3710, 0.1790

Conversions

Conversions Part 2

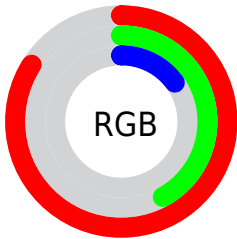
Format	Color
R_{YB}	213, 156, 37
Decimal	13986853
CIE _{Lab}	57.08, 36.91, 55.20
CIE _{LCh}	57, 66.402, 56.233
Yxy	25.0048, 0.5262, 0.3971
Android (android.graphics.Color)	4292176933 (0xFFD56C25)
YUV	131.3010, -46.4904, 71.6500
Hunter-Lab	50.0048, 30.7797, 29.2763

Details

The XYZ color **33.1371, 25.0048, 4.8302** 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 **22.4456, 24.5422, 66.5046**, and the grayscale version is **21.8217, 22.9582, 25.0014**.

A 20% lighter version of the original color is **55.7463, 47.4543, 15.4540**, and **14.4620, 9.7015, 1.1104** is the 20% darker color. If you saturate the color by 10%, you get **31.6510, 22.4211, 3.1382**, and if you desaturate by 10%, it is **35.0145, 28.0598, 7.6141**.

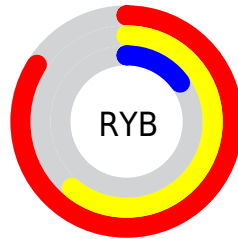
Distribution



Red (84%)

Green (42%)

Blue (15%)



Red (84%)

Yellow (61%)

Blue (15%)

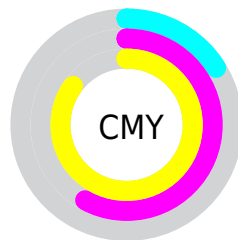


Cyan (0%)

Magenta (49%)

Yellow (83%)

Black (16%)



Cyan (16%)


Magenta (58%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1371, 25.0048, 4.8302 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 33.1371, 25.0048, 4.8302 by changing the saturation by 10% instead.


 33.1371, 25.0048,
4.8302


 33.1371, 25.0048,
4.8302


307.9211,
277.8618, 157.0489


 22.3912, 16.0806,
2.0910


 63.9428, 51.6650,
15.8832


 14.2629, 9.5812,
0.6104


 84.7333, 70.1698,
25.0341

 8.3866, 5.1222,
0.0000

 109.6027, 92.6370,
37.1593

 4.3972, 2.3191,
0.0000

 138.9164,
119.4509, 52.6774

 1.9292, 0.7838,
0.0000

 173.0397,
150.9960, 72.0068

 0.5937, 0.0000,
0.0000

 212.3381,

 0.0000, 0.0000,

187.6565, 95.5662

0.0000

257.1768,
229.8170, 123.7740

■ 33.1371, 25.0048,
4.8302

■ 33.1371, 25.0048,
4.8302

■ 31.6510, 22.4211,
3.1382

■ 35.0145, 28.0598,
7.6141

■ 30.7628, 20.7908,
2.3916

■ 37.3189, 31.6097,
11.6471

■ 40.0831, 35.6806,
17.0614

■ 43.3354, 40.2953,
23.9720

■ 47.1017, 45.4749,
32.4817

■ 51.4059, 51.2392,
42.6840

■ 56.2700, 57.6071,
54.6651

■ 61.7151, 64.5965,
68.5055

■ 67.7607, 72.2245,
84.2805

Harmonies

Analogous

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



39.9580, 25.0048, 12.2874



33.1371, 25.0048, 4.8302



24.7675, 25.0048, 2.9020

Triad

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



33.1371, 25.0048, 4.8302



11.7024, 25.0048, 24.4949



31.0481, 25.0048, 86.9649

Complementary

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



33.1371, 25.0048, 4.8302



22.4456, 24.5422, 66.5046

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.



22.7925, 25.0048, 96.7227



33.1371, 25.0048, 4.8302



12.6731, 25.0048, 51.0290

Square

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



33.1371, 25.0048, 4.8302



13.3336, 25.0048, 9.6250



16.3531, 25.0048, 80.9746



38.5781, 25.0048, 58.8427

Rectangle

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



33.1371, 25.0048, 4.8302



19.8075, 25.0048, 3.2824



16.3531, 25.0048, 80.9746



28.2203, 25.0048, 92.9927

Sweetspot

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



33.1377, 25.0062, 4.8306



75.4764, 74.6424, 59.8640



33.0298, 17.4405, 27.4538



15.6599, 15.3144, 11.6369



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.



33.1377, 25.0062, 4.8306



46.2444, 31.2465, 3.6671



47.3792, 53.4893, 9.5778



12.8304, 13.2350, 13.0391



18.8856, 12.8884, 1.4923



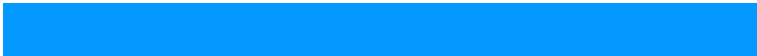
1.2191, 0.9374, 0.1167

Inverse Universe

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



22.4456, 24.5422, 66.5046



29.4981, 30.0688, 98.8569



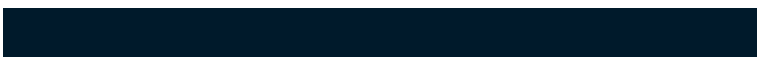
14.1206, 7.8922, 63.7296



12.3524, 13.2283, 15.8398



12.0802, 12.4221, 40.2142



0.8088, 0.9096, 2.4523

Previews

White Background



This preview shows how the XYZ color 33.1371, 25.0048, 4.8302 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 33.1371, 25.0048, 4.8302 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 33.1371, 25.0048, 4.8302

Background



This preview shows how black text looks on a background with the XYZ color 33.1371, 25.0048, 4.8302.



This preview shows how white text looks on a background with the XYZ color 33.1371, 25.0048,

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

33.1371, 25.0048, 4.8302

Protanopia

22.8886, 25.2364, 6.1474

Deuteranopia

25.4140, 24.9286, 4.5092



Tritanopia

35.6794, 24.9890, 17.1302

Trichromacy



Original Color

33.1371, 25.0048, 4.8302

Protanomaly

25.6865, 24.4599, 5.5579

Deuteranomaly

27.9459, 24.7094, 4.5928

Tritanomaly

34.4976, 24.9569, 10.9816

Monochromacy



Original Color

33.1371, 25.0048, 4.8302

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.9386, 22.6061, 14.4110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1371, 25.0048, 4.8302 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(213, 108, 37)` looks like.

```
.text, #text, p{  
    color:rgb(213, 108, 37)  
}
```

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(213, 108, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 108, 37) }
```

Border

The CSS property to change the border of an element to XYZ 33.1371, 25.0048, 4.8302 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(213, 108, 37) }
```


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

```
.border{ border-color:rgb(213, 108, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 108, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 108, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 108, 37);  
box-shadow:4px 4px 4px 4px rgb(213, 108,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1371, 25.0048, 4.8302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 108, 37) }
```

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

```
.background{ background-color: rgb(213,  
108, 37) }
```

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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