

Converting Colors

$Y_{xy}(25.0407, 0.5157, 0.3810)$

Have a look what the booklet for
Yxy(25.0407, 0.5157, 0.3810)
contains.

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Color

Yxy(25.0407, 0.5157, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	D76A38
RGB	215, 106, 56
RGB Percent	84%, 42%, 22%
CMY	0.1568, 0.5843, 0.7804
CMYK	0.00, 0.51, 0.74, 0.16
HSL	19°, 67%, 53%
HSV	19°, 74%, 84%
XYZ	33.8937, 25.0407, 6.7893
YIQ	132.8910, 81.0140, 7.5580

Conversions

Conversions Part 2

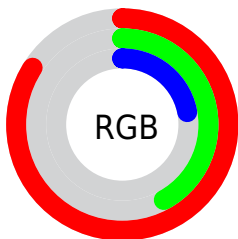
Format	Color
R _Y B	215, 129, 56
Decimal	14117432
CIE Lab	57.12, 39.41, 46.75
CIE LCh	57, 61.150, 49.867
Yxy	25.0407, 0.5157, 0.3810
Android (android.graphics.Color)	4292307512 (0xFFD76A38)
YUV	132.8910, -37.9073, 72.0096
Hunter-Lab	50.0407, 33.3308, 26.9843

Details

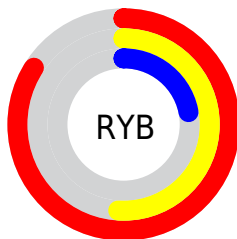
The Yxy color **25.0407, 0.5157, 0.3810** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **32.6621, 0.2118, 0.2529**, and the grayscale version is **23.5332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0969, 0.4569, 0.3826**, and **9.6134, 0.5760, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **22.0934, 0.5503, 0.3789**, and if you desaturate by 10%, it is **28.6032, 0.4792, 0.3787**.

Distribution



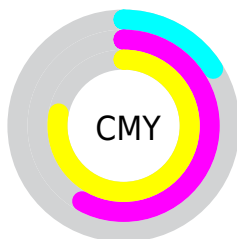
- Red (84%)
- Green (42%)
- Blue (22%)



- Red (84%)
- Yellow (51%)
- Blue (22%)



- Cyan (0%)
- Magenta (51%)
- Yellow (74%)
- Black (16%)





- Cyan (16%)
- Magenta (58%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0407, 0.5157, 0.3810 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 Yxy color 25.0407, 0.5157, 0.3810 by changing the saturation by 10% instead.


 25.0407, 0.5157,
0.3810


 25.0407, 0.5157,
0.3810


278.0406, 0.4070,
0.3636

 16.1074, 0.5427,
0.3805


 51.7232, 0.4757,
0.3778

 9.6002, 0.5758,
0.3762


 70.2413, 0.4607,
0.3756


 5.1347, 0.6286,
0.3714

 92.7230, 0.4480,
0.3733

 2.3265, 0.6639,
0.3361

 119.5527, 0.4373,
0.3711

 0.7877, 0.7219,
0.2781

 151.1150, 0.4281,
0.3690

 0.0000, 1.0000,
0.0000

 187.7941, 0.4201,

 0.0000, 0.0000,

0.3671

0.0000

229.9745, 0.4131,
0.3652

■ 25.0407, 0.5157,
0.3810

■ 25.0407, 0.5157,
0.3810

■ 22.0934, 0.5503,
0.3789

■ 28.6032, 0.4792,
0.3787

■ 19.7181, 0.5796,
0.3720

■ 32.8119, 0.4438,
0.3733


■ 18.5345, 0.5943,
0.3663


■ 37.7002, 0.4113,
0.3658

■ 43.2981, 0.3826,
0.3573

■ 49.6333, 0.3578,
0.3486

 56.7322, 0.3368,
0.3401

 64.6199, 0.3190,
0.3320

 73.3201, 0.3039,
0.3245

 82.8556, 0.2912,
0.3176

Harmonies

Analogous

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



25.0407, 0.4902, 0.3119



25.0407, 0.5157, 0.3810



25.0407, 0.4764, 0.4532

Triad

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



25.0407, 0.5157, 0.3810



25.0407, 0.2154, 0.4280



25.0407, 0.2088, 0.1814

Complementary

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



25.0407, 0.5157, 0.3810



32.6621, 0.2118, 0.2529

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.



25.0407, 0.1595, 0.1863



25.0407, 0.5157, 0.3810



25.0407, 0.1603, 0.3086

Square

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



25.0407, 0.5157, 0.3810



25.0407, 0.3025, 0.5153



25.0407, 0.1433, 0.2251



25.0407, 0.2936, 0.2040

Rectangle

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



25.0407, 0.5157, 0.3810



25.0407, 0.4265, 0.4966



25.0407, 0.1433, 0.2251



25.0407, 0.1885, 0.1798

Sweetspot

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



25.0421, 0.5157, 0.3810



74.7676, 0.3539, 0.3471



20.0785, 0.3829, 0.2109



15.4220, 0.3602, 0.3495



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.0421, 0.5157, 0.3810



30.3457, 0.5685, 0.3754



48.6856, 0.4348, 0.4631



13.0516, 0.3283, 0.3364



11.2535, 0.5916, 0.3685



0.8254, 0.5574, 0.3956

Inverse Universe

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



32.6621, 0.2118, 0.2529



41.5991, 0.2000, 0.2338



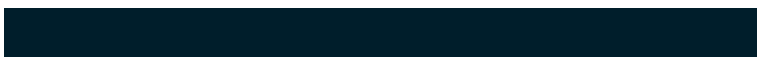
12.6956, 0.1812, 0.1324



13.4185, 0.2982, 0.3215



15.6873, 0.1955, 0.2236



1.0914, 0.2011, 0.2440

Previews

White Background



This preview shows how the Yxy color 25.0407, 0.5157, 0.3810 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 Yxy color 25.0407, 0.5157, 0.3810 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](#).

Yxy 25.0407, 0.5157, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 25.0407, 0.5157, 0.3810.



This preview shows how white text looks on a background with the Yxy color 25.0407, 0.5157, 0.3810.

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

25.0407, 0.5157, 0.3810

Protanopia

25.2457, 0.4033, 0.4423

Deuteranopia

25.2250, 0.4480, 0.4400



Tritanopia

24.9276, 0.4618, 0.3213

Trichromacy



Original Color

25.0407, 0.5157, 0.3810

Protanomaly

24.3835, 0.4462, 0.4183

Deuteranomaly

24.8584, 0.4741, 0.4162

Tritanomaly

24.8063, 0.4850, 0.3454

Monochromacy



Original Color

25.0407, 0.5157, 0.3810

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.9724, 0.3853, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0407, 0.5157, 0.3810 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(215, 106, 56)` looks like.

```
.text, #text, p{  
    color:rgb(215, 106, 56)  
}
```

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(215, 106, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 106, 56) }
```

Border

The CSS property to change the border of an element to Yxy 25.0407, 0.5157, 0.3810 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(215, 106, 56) }
```

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

```
.border{ border-color:rgb(215, 106, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 106, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 106, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 106, 56);  
box-shadow:4px 4px 4px 4px rgb(215, 106,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0407, 0.5157, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 106, 56) }
```

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

```
.background{ background-color: rgb(215,  
106, 56) }
```

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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