

Converting Colors

$Y_{xy}(25.8250, 0.5380, 0.4150)$

Have a look what the booklet for
Yxy(25.8250, 0.5380, 0.4150)
contains.

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Color

$\text{Yxy}(25.8845, 0.5352, 0.4132)$

Conversions

Conversions Part 1

Format	Color
Hex	D67000
RGB	214, 112, 0
RGB Percent	84%, 44%, 0%
CMY	0.1608, 0.5608, 0.9995
CMYK	0.00, 0.48, 1.00, 0.16
HSL	31°, 100%, 42%
HSV	31°, 100%, 84%
XYZ	33.5271, 25.8845, 3.2324
YIQ	129.7300, 96.7440, -13.2080

Conversions

Conversions Part 2

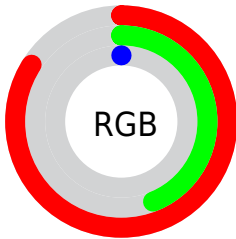
Format	Color
RYB	195, 214, 0
Decimal	14053376
CIELab	57.93, 34.63, 65.53
CIElCh	58, 74.120, 62.146
Yxy	25.8845, 0.5352, 0.4132
Android (android.graphics.Color)	4292243456 (0xFFD67000)
YUV	129.7300, -63.9569, 73.9048
Hunter-Lab	50.8768, 28.5944, 31.8468

Details

The Yxy color **25.8845, 0.5352, 0.4132** 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 **14.3827, 0.1746, 0.1486**, and the grayscale version is **22.4331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5755, 0.4801, 0.4186**, and **10.1206, 0.5649, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **25.8728, 0.5353, 0.4132**, and if you desaturate by 10%, it is **28.3231, 0.5161, 0.4193**.

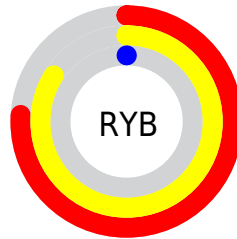
Distribution



Red (84%)

Green (44%)

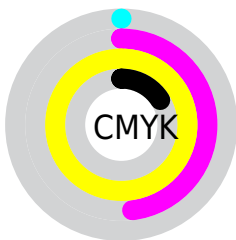
Blue (0%)



Red (76%)

Yellow (84%)

Blue (0%)

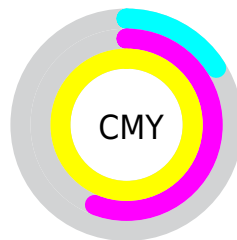


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8845, 0.5352, 0.4132 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 25.8845, 0.5352, 0.4132 by changing the saturation by 10% instead.


 25.8845, 0.5352,
0.4132


 25.8845, 0.5352,
0.4132


282.2146, 0.4235,
0.3860

 16.7373, 0.5583,
0.4118


 53.0886, 0.4972,
0.4089

 10.0473, 0.5905,
0.4095


 71.9142, 0.4819,
0.4055


 5.4304, 0.6114,
0.3886


 94.7347, 0.4686,
0.4019

 2.5019, 0.6426,
0.3574

 121.9345, 0.4571,
0.3983

 0.8776, 0.6938,
0.3062

 153.8980, 0.4471,
0.3949

 0.0000, 1.0000,
0.0000

 191.0096, 0.4382,

 0.0000, 0.0000,

0.3918

0.0000

233.6537, 0.4304,
0.3888

25.8845, 0.5352,
0.4132

25.8845, 0.5352,
0.4132

25.8728, 0.5353,
0.4132

28.3231, 0.5161,
0.4193

31.0857, 0.4935,
0.4206

34.2016, 0.4681,
0.4165

37.6897, 0.4415,
0.4082

41.5665, 0.4153,
0.3969

■ 45.8474, 0.3904,
0.3837

■ 50.5465, 0.3676,
0.3697

■ 55.6770, 0.3470,
0.3556

■ 61.2516, 0.3287,
0.3419

Harmonies

Analogous

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



25.8845, 0.5454, 0.3346



25.8845, 0.5352, 0.4132



25.8845, 0.4616, 0.4985

Triad

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



25.8845, 0.5352, 0.4132



25.8845, 0.1659, 0.3859



25.8845, 0.2260, 0.1676

Complementary

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



25.8845, 0.5352, 0.4132



14.3827, 0.1746, 0.1486

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.



25.8845, 0.1554, 0.1593



25.8845, 0.5352, 0.4132



25.8845, 0.1250, 0.2540

Square

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



25.8845, 0.5352, 0.4132



25.8845, 0.2511, 0.5271



25.8845, 0.1234, 0.1834



25.8845, 0.3396, 0.2039

Rectangle

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



25.8845, 0.5352, 0.4132



25.8845, 0.3947, 0.5468



25.8845, 0.1234, 0.1834



25.8845, 0.1976, 0.1616

Sweetspot

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



25.8859, 0.5352, 0.4132



74.9059, 0.3683, 0.3702



15.2885, 0.5050, 0.2556



15.3816, 0.3778, 0.3762



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.



25.8859, 0.5352, 0.4132



38.1422, 0.5367, 0.4120



61.8610, 0.4164, 0.5076



13.4850, 0.3278, 0.3412



15.8479, 0.5331, 0.4149



1.1212, 0.5082, 0.4347

Inverse Universe

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



14.3827, 0.1746, 0.1486



21.0433, 0.1741, 0.1468



4.8816, 0.1505, 0.0603



12.9759, 0.2982, 0.3165



8.8908, 0.1753, 0.1511



0.7014, 0.1843, 0.1834

Previews

White Background



This preview shows how the Yxy color 25.8845, 0.5352, 0.4132 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 25.8845, 0.5352, 0.4132 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 25.8845, 0.5352, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 25.8845, 0.5352, 0.4132.



This preview shows how white text looks on a background with the Yxy color 25.8845, 0.5352, 0.4132.

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

25.8845, 0.5352, 0.4132

Protanopia

26.0689, 0.4367, 0.4826

Deuteranopia

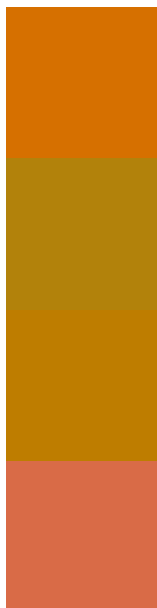
26.1222, 0.4712, 0.4641



Tritanopia

25.9538, 0.4546, 0.3212

Trichromacy



Original Color

25.8845, 0.5352, 0.4132

Protanomaly

25.4544, 0.4741, 0.4570

Deuteranomaly

25.6144, 0.4958, 0.4445

Tritanomaly

25.7220, 0.5015, 0.3684

Monochromacy



Original Color

25.8845, 0.5352, 0.4132

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3675, 0.4097, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8845, 0.5352, 0.4132 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, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 112, 0)  
}
```

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, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.8845, 0.5352, 0.4132 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, 112, 0) }
```

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

```
.border{ border-color:rgb(214, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8845, 0.5352, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 112, 0) }
```

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

```
.background{ background-color: rgb(214,  
112, 0) }
```

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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