

Converting Colors

$Y_{xy}(21.1634, 0.5414, 0.4083)$

Have a look what the booklet for
Yxy(21.1634, 0.5414, 0.4083)
contains.

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Color

Yxy(21.2565, 0.5407, 0.4089)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | C76400 |
| RGB | 199, 100, 0 |
| RGB Percent | 78%, 39%, 0% |
| CMY | 0.2197, 0.6078, 1.0000 |
| CMYK | 0.00, 0.50, 1.00, 0.22 |
| HSL | 30°, 100%, 39% |
| HSV | 30°, 100%, 78% |
| XYZ | 28.1081, 21.2565, 2.6200 |
| YIQ | 118.2010, 91.1040, -10.1120 |

Conversions

Conversions Part 2

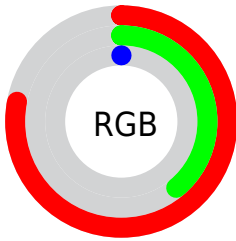
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 197, 199, 0 |
| Decimal | 13067264 |
| CIELab | 53.23, 34.72, 61.62 |
| CIELCh | 53, 70.728, 60.602 |
| Yxy | 21.2565, 0.5407, 0.4089 |
| Android (android.graphics.Color) | 4291257344 (0xFFC76400) |
| YUV | 118.2010, -58.2731, 70.8607 |
| Hunter-Lab | 46.1048, 28.1403, 28.9040 |

Details

The Yxy color **21.2565, 0.5407, 0.4089** 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 **13.0417, 0.1767, 0.1561**, and the grayscale version is **18.3496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0866, 0.4943, 0.4081**, and **7.6845, 0.5760, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **21.2578, 0.5407, 0.4089**, and if you desaturate by 10%, it is **23.3236, 0.5205, 0.4151**.

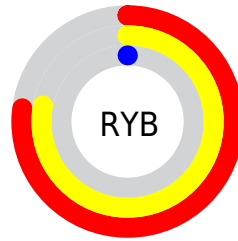
Distribution



Red (78%)

Green (39%)

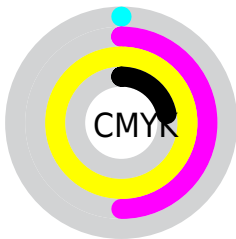
Blue (0%)



Red (77%)

Yellow (78%)

Blue (0%)

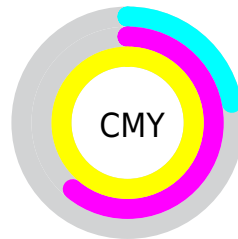


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2565, 0.5407, 0.4089 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 21.2565, 0.5407, 0.4089 by changing the saturation by 10% instead.


 21.2565, 0.5407,
0.4089


 21.2565, 0.5407,
0.4089


258.6385, 0.4223,
0.3831

 13.3116, 0.5661,
0.4063


 45.5140, 0.4994,
0.4055

 7.6435, 0.5996,
0.4004


 62.5955, 0.4831,
0.4022

 3.8677, 0.6247,
0.3753

 83.4912, 0.4691,
0.3987

 1.5998, 0.6636,
0.3364

 108.5857, 0.4570,
0.3952

 0.3575, 0.7758,
0.2242

 138.2633, 0.4466,
0.3919


 0.0000, 1.0000,
0.0000


 172.9083, 0.4374,


 0.0000, 0.0000,

0.3888


0.0000

 212.9053, 0.4294,
0.3858


 21.2565, 0.5407,
0.4089


 21.2565, 0.5407,
0.4089


 21.2578, 0.5407,
0.4089

 23.3236, 0.5205,
0.4151

 25.6796, 0.4968,
0.4166

 28.3510, 0.4705,
0.4129

 31.3545, 0.4431,
0.4050

 34.7049, 0.4163,
0.3941

■ 38.4157, 0.3910,
0.3815

■ 42.4996, 0.3678,
0.3680

■ 46.9684, 0.3471,
0.3545

■ 51.8333, 0.3288,
0.3414

Harmonies

Analogous

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



21.2565, 0.5475, 0.3301



21.2565, 0.5407, 0.4089



21.2565, 0.4677, 0.4958

Triad

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



21.2565, 0.5407, 0.4089



21.2565, 0.1668, 0.3950



21.2565, 0.2198, 0.1643

Complementary

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



21.2565, 0.5407, 0.4089



13.0417, 0.1767, 0.1561

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.



21.2565, 0.1507, 0.1574



21.2565, 0.5407, 0.4089



21.2565, 0.1235, 0.2577

Square

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



21.2565, 0.5407, 0.4089



21.2565, 0.2549, 0.5367



21.2565, 0.1203, 0.1834



21.2565, 0.3331, 0.1995

Rectangle

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



21.2565, 0.5407, 0.4089



21.2565, 0.4004, 0.5470



21.2565, 0.1203, 0.1834



21.2565, 0.1919, 0.1587

Sweetspot

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



21.2578, 0.5407, 0.4089



74.0945, 0.3688, 0.3686



13.0509, 0.4970, 0.2512



15.1897, 0.3784, 0.3744



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.



21.2578, 0.5407, 0.4089



36.7420, 0.5428, 0.4072



52.9822, 0.4193, 0.5053



11.5031, 0.3277, 0.3406



13.8463, 0.5386, 0.4106



0.8005, 0.5073, 0.4354

Inverse Universe

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



13.0417, 0.1767, 0.1561



22.3556, 0.1760, 0.1536



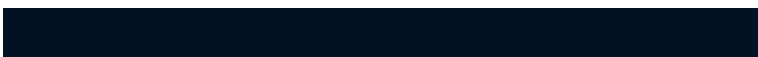
4.1230, 0.1500, 0.0600



11.1443, 0.2983, 0.3171



8.5621, 0.1774, 0.1584



0.5503, 0.1879, 0.1965

Previews

White Background



This preview shows how the Yxy color 21.2565, 0.5407, 0.4089 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 21.2565, 0.5407, 0.4089 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 21.2565, 0.5407, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 21.2565, 0.5407, 0.4089.



This preview shows how white text looks on a background with the Yxy color 21.2565, 0.5407, 0.4089.

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

21.2565, 0.5407, 0.4089

Protanopia

21.4081, 0.4354, 0.4824

Deuteranopia

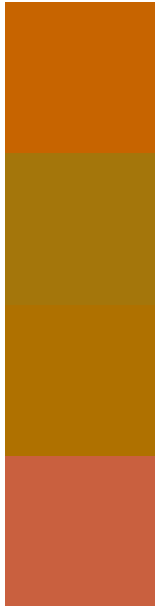
21.2518, 0.4707, 0.4645



Tritanopia

21.2861, 0.4617, 0.3220

Trichromacy



Original Color

21.2565, 0.5407, 0.4089

Protanomaly

20.8735, 0.4758, 0.4546

Deuteranomaly

20.9242, 0.4986, 0.4423

Tritanomaly

21.1421, 0.5068, 0.3673

Monochromacy



Original Color

21.2565, 0.5407, 0.4089

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0799, 0.4109, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2565, 0.5407, 0.4089 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(199, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 100, 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(199, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2565, 0.5407, 0.4089 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(199, 100, 0) }
```

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

```
.border{ border-color:rgb(199, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2565, 0.5407, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 100, 0) }
```

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

```
.background{ background-color: rgb(199,  
100, 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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