

Converting Colors

$Y_{xy}(24.1067, 0.5301, 0.4158)$

Have a look what the booklet for
Yxy(24.1067, 0.5301, 0.4158)
contains.

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Color

Yxy(24.1398, 0.5300, 0.4157)

Conversions

Conversions Part 1

Format	Color
Hex	CD6E04
RGB	205, 110, 4
RGB Percent	80%, 43%, 2%
CMY	0.1960, 0.5686, 0.9841
CMYK	0.00, 0.46, 0.98, 0.20
HSL	32°, 96%, 41%
HSV	32°, 98%, 80%
XYZ	30.7772, 24.1398, 3.1532
YIQ	126.3210, 90.6460, -12.8260

Conversions

Conversions Part 2

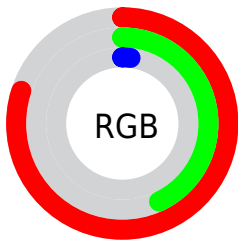
Format	Color
RYB	184, 205, 4
Decimal	13463044
CIELab	56.23, 32.02, 63.11
CIELCh	56, 70.771, 63.098
Yxy	24.1398, 0.5300, 0.4157
Android (android.graphics.Color)	4291653124 (0xFFCD6E04)
YUV	126.3210, -60.3043, 69.0015
Hunter-Lab	49.1323, 25.8337, 30.5875

Details

The Yxy color **24.1398, 0.5300, 0.4157** 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 **13.3686, 0.1757, 0.1512**, and the grayscale version is **21.1679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8717, 0.4814, 0.4161**, and **9.2668, 0.5597, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **23.7242, 0.5337, 0.4144**, and if you desaturate by 10%, it is **26.4076, 0.5105, 0.4209**.

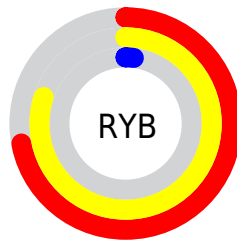
Distribution



Red (80%)

Green (43%)

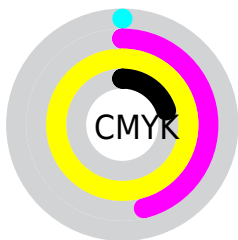
Blue (2%)



Red (72%)

Yellow (80%)

Blue (2%)

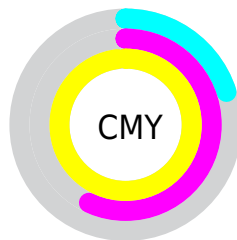


Cyan (0%)

Magenta (46%)

Yellow (98%)

Black (20%)



Cyan (20%)


Magenta (57%)


Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1398, 0.5300, 0.4157 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 24.1398, 0.5300, 0.4157 by changing the saturation by 10% instead.


 24.1398, 0.5300,
0.4157


 24.1398, 0.5300,
0.4157


273.5265, 0.4193,
0.3857

 15.4374, 0.5534,
0.4151

 50.2582, 0.4919,
0.4102

 9.1269, 0.5862,
0.4138


 68.4430, 0.4767,
0.4063


 4.8241, 0.6072,
0.3928


 90.5574, 0.4636,
0.4024

 2.1444, 0.6391,
0.3609

 116.9857, 0.4522,
0.3986

 0.6894, 0.6973,
0.3027

 148.1124, 0.4423,
0.3950


 0.0000, 1.0000,
0.0000


 184.3218, 0.4337,


 0.0000, 0.0000,

0.3917


0.0000

 225.9984, 0.4261,
0.3886


 24.1398, 0.5300,
0.4157


 24.1398, 0.5300,
0.4157


 23.7242, 0.5337,
0.4144

 26.4076, 0.5105,
0.4209

 28.9722, 0.4875,
0.4209

 31.8559, 0.4620,
0.4158

 35.0749, 0.4356,
0.4067

 38.6438, 0.4098,
0.3948

■ 42.5760, 0.3855,
0.3813

■ 46.8838, 0.3632,
0.3671

■ 51.5789, 0.3432,
0.3530

■ 56.6724, 0.3254,
0.3394

Harmonies

Analogous

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



24.1398, 0.5416, 0.3378



24.1398, 0.5300, 0.4157



24.1398, 0.4570, 0.4990

Triad

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



24.1398, 0.5300, 0.4157



24.1398, 0.1668, 0.3800



24.1398, 0.2307, 0.1709

Complementary

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



24.1398, 0.5300, 0.4157



13.3686, 0.1757, 0.1512

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.



24.1398, 0.1596, 0.1618



24.1398, 0.5300, 0.4157



24.1398, 0.1275, 0.2529

Square

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



24.1398, 0.5300, 0.4157



24.1398, 0.2498, 0.5187



24.1398, 0.1268, 0.1848



24.1398, 0.3433, 0.2076

Rectangle

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



24.1398, 0.5300, 0.4157



24.1398, 0.3911, 0.5445



24.1398, 0.1268, 0.1848



24.1398, 0.2022, 0.1647

Sweetspot

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



24.1411, 0.5300, 0.4157



75.8048, 0.3661, 0.3690



14.0115, 0.4997, 0.2538



15.5643, 0.3755, 0.3752



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.



24.1411, 0.5300, 0.4157



38.4329, 0.5355, 0.4130



56.1860, 0.4161, 0.5069



12.1763, 0.3277, 0.3412



14.9594, 0.5316, 0.4161



0.9230, 0.5039, 0.4381

Inverse Universe

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



13.3686, 0.1757, 0.1512



20.7874, 0.1737, 0.1454



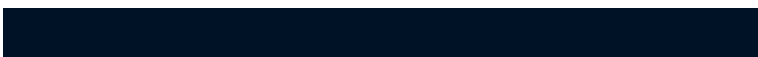
4.5438, 0.1513, 0.0616



11.7041, 0.2983, 0.3165



8.2444, 0.1751, 0.1502



0.5769, 0.1853, 0.1870

Previews

White Background



This preview shows how the Yxy color 24.1398, 0.5300, 0.4157 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 24.1398, 0.5300, 0.4157 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 24.1398, 0.5300, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 24.1398, 0.5300, 0.4157.



This preview shows how white text looks on a background with the Yxy color 24.1398, 0.5300, 0.4157.

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

24.1398, 0.5300, 0.4157

Protanopia

24.4211, 0.4361, 0.4831

Deuteranopia

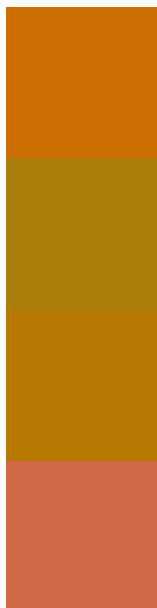
24.0963, 0.4717, 0.4637



Tritanopia

24.1622, 0.4488, 0.3208

Trichromacy



Original Color

24.1398, 0.5300, 0.4157

Protanomaly

23.9759, 0.4715, 0.4583

Deuteranomaly

23.7442, 0.4944, 0.4452

Tritanomaly

23.9680, 0.4950, 0.3684

Monochromacy



Original Color

24.1398, 0.5300, 0.4157

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0107, 0.4055, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1398, 0.5300, 0.4157 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(205, 110, 4)` looks like.

```
.text, #text, p{  
    color:rgb(205, 110, 4)  
}
```

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(205, 110, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 110, 4) }
```

Border

The CSS property to change the border of an element to Yxy 24.1398, 0.5300, 0.4157 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(205, 110, 4) }
```

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

```
.border{ border-color:rgb(205, 110, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 110, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 110, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 110, 4);  
box-shadow:4px 4px 4px 4px rgb(205, 110,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1398, 0.5300, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 110, 4) }
```

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

```
.background{ background-color: rgb(205,  
110, 4) }
```

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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