

Converting Colors

$Y_{xy}(21.1276, 0.5284, 0.4187)$

Have a look what the booklet for
Yxy(21.1276, 0.5284, 0.4187)
contains.

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Color

Yxy(21.1071, 0.5289, 0.4183)

Conversions

Conversions Part 1

Format	Color
Hex	C06800
RGB	192, 104, 0
RGB Percent	75%, 41%, 0%
CMY	0.2471, 0.5921, 1.0000
CMYK	0.00, 0.46, 1.00, 0.25
HSL	33°, 100%, 38%
HSV	33°, 100%, 75%
XYZ	26.6879, 21.1071, 2.6642
YIQ	118.4560, 85.8320, -13.6880

Conversions

Conversions Part 2

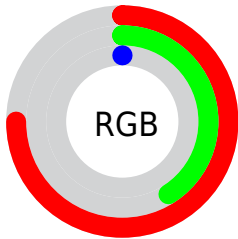
Format	Color
RYB	162, 192, 0
Decimal	12609536
CIELab	53.07, 29.71, 61.02
CIELCh	53, 67.867, 64.036
Yxy	21.1071, 0.5289, 0.4183
Android (android.graphics.Color)	4290799616 (0xFFC06800)
YUV	118.4560, -58.3988, 64.4981
Hunter-Lab	45.9425, 23.2910, 28.7214

Details

The Yxy color **21.1071, 0.5289, 0.4183** 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 **10.7836, 0.1733, 0.1437**, and the grayscale version is **18.4356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2179, 0.4896, 0.4124**, and **7.6379, 0.5603, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **21.1085, 0.5289, 0.4183**, and if you desaturate by 10%, it is **23.0212, 0.5102, 0.4234**.

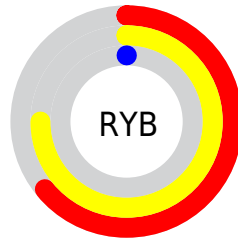
Distribution



Red (75%)

Green (41%)

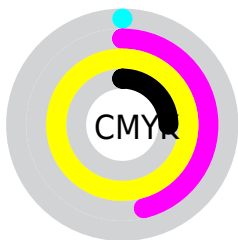
Blue (0%)



Red (64%)

Yellow (75%)

Blue (0%)

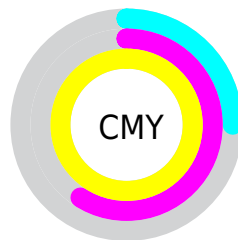


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1071, 0.5289, 0.4183 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 21.1071, 0.5289, 0.4183 by changing the saturation by 10% instead.


 21.1071, 0.5289,
0.4183


 21.1071, 0.5289,
0.4183


257.8471, 0.4166,
0.3859


 13.2023, 0.5530,
0.4178


 45.2657, 0.4898,
0.4120


 7.5680, 0.5851,
0.4149


 62.2883, 0.4743,
0.4078

 3.8198, 0.6075,
0.3925

 83.1190, 0.4610,
0.4036

 1.5733, 0.6428,
0.3572

 108.1421, 0.4495,
0.3995


 0.3395, 0.7583,
0.2417


 137.7421, 0.4396,
0.3957


 0.0000, 0.0000,
0.0000


 172.3033, 0.4309,

0.3921


 212.2102, 0.4233,
0.3889

 21.1071, 0.5289,
0.4183


 21.1071, 0.5289,
0.4183


 21.1085, 0.5289,
0.4183

 23.0212, 0.5102,
0.4234

 25.1713, 0.4885,
0.4239

 27.5809, 0.4641,
0.4193

 30.2636, 0.4386,
0.4105

 33.2316, 0.4133,
0.3988

■ 36.4957, 0.3891,
0.3852

■ 40.0663, 0.3668,
0.3708

■ 43.9530, 0.3466,
0.3564

■ 48.1649, 0.3286,
0.3423

Harmonies

Analogous

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



21.1071, 0.5431, 0.3400



21.1071, 0.5289, 0.4183



21.1071, 0.4543, 0.5018

Triad

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



21.1071, 0.5289, 0.4183



21.1071, 0.1646, 0.3754



21.1071, 0.2334, 0.1713

Complementary

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



21.1071, 0.5289, 0.4183



10.7836, 0.1733, 0.1437

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.



21.1071, 0.1608, 0.1613



21.1071, 0.5289, 0.4183



21.1071, 0.1266, 0.2496

Square

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



21.1071, 0.5289, 0.4183



21.1071, 0.2465, 0.5160



21.1071, 0.1270, 0.1831



21.1071, 0.3474, 0.2089

Rectangle

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



21.1071, 0.5289, 0.4183



21.1071, 0.3878, 0.5466



21.1071, 0.1270, 0.1831



21.1071, 0.2044, 0.1648

Sweetspot

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



21.1085, 0.5289, 0.4183



72.2754, 0.3678, 0.3715



11.9376, 0.5106, 0.2587



14.9032, 0.3771, 0.3777



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.1085, 0.5289, 0.4183



37.7380, 0.5310, 0.4166



48.0875, 0.4135, 0.5099



10.9615, 0.3276, 0.3415



14.3614, 0.5271, 0.4197



0.7571, 0.4968, 0.4437

Inverse Universe

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



10.7836, 0.1733, 0.1437



19.0495, 0.1725, 0.1409



3.8470, 0.1510, 0.0605



10.4915, 0.2984, 0.3162



7.4084, 0.1739, 0.1460



0.4578, 0.1858, 0.1890

Previews

White Background



This preview shows how the Yxy color 21.1071, 0.5289, 0.4183 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 21.1071, 0.5289, 0.4183 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 21.1071, 0.5289, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 21.1071, 0.5289, 0.4183.



This preview shows how white text looks on a background with the Yxy color 21.1071, 0.5289, 0.4183.

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

21.1071, 0.5289, 0.4183

Protanopia

21.4050, 0.4358, 0.4829

Deuteranopia

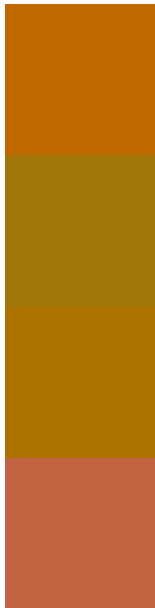
21.2518, 0.4707, 0.4645



Tritanopia

21.1510, 0.4432, 0.3201

Trichromacy



Original Color

21.1071, 0.5289, 0.4183

Protanomaly

20.7926, 0.4711, 0.4588

Deuteranomaly

21.0321, 0.4923, 0.4473

Tritanomaly

20.9770, 0.4918, 0.3712

Monochromacy



Original Color

21.1071, 0.5289, 0.4183

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3380, 0.4064, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1071, 0.5289, 0.4183 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(192, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 104, 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(192, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 104, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1071, 0.5289, 0.4183 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(192, 104, 0) }
```

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

```
.border{ border-color:rgb(192, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 104,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1071, 0.5289, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 104, 0) }
```

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

```
.background{ background-color: rgb(192,  
104, 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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