

Converting Colors

$Y_{xy}(20.0885, 0.5212, 0.4243)$

Have a look what the booklet for
Yxy(20.0885, 0.5212, 0.4243)
contains.

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Color

$Y_{xy}(20.0910, 0.5216, 0.4240)$

Conversions

Conversions Part 1

Format	Color
Hex	B86800
RGB	184, 104, 0
RGB Percent	72%, 41%, 0%
CMY	0.2785, 0.5921, 0.9996
CMYK	0.00, 0.43, 1.00, 0.28
HSL	34°, 100%, 36%
HSV	34°, 100%, 72%
XYZ	24.7157, 20.0910, 2.5777
YIQ	116.0640, 81.0640, -15.3840

Conversions

Conversions Part 2

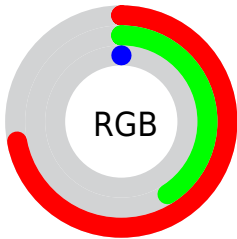
Format	Color
R _Y B	142, 184, 0
Decimal	12085248
CIE Lab	51.94, 26.30, 59.71
CIE LCh	52, 65.244, 66.232
Yxy	20.0910, 0.5216, 0.4240
Android (android.graphics.Color)	4290275328 (0xFFB86800)
YUV	116.0640, -57.2196, 59.5799
Hunter-Lab	44.8230, 19.9860, 27.9664

Details

The Yxy color **20.0910, 0.5216, 0.4240** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.2077, 0.1714, 0.1369**, and the grayscale version is **17.6501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7399, 0.4832, 0.4159**, and **7.1134, 0.5495, 0.4019** is the 20% darker color. If you saturate the color by 10%, you get **20.0840, 0.5217, 0.4240**, and if you desaturate by 10%, it is **21.8254, 0.5039, 0.4284**.

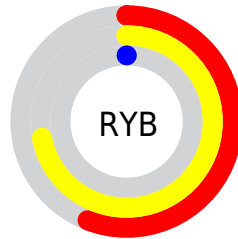
Distribution



Red (72%)

Green (41%)

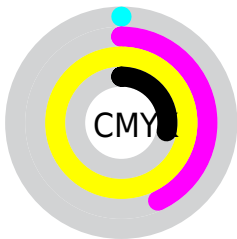
Blue (0%)



Red (56%)

Yellow (72%)

Blue (0%)

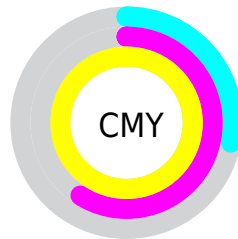


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0910, 0.5216, 0.4240 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 20.0910, 0.5216, 0.4240 by changing the saturation by 10% instead.


 20.0910, 0.5216,
0.4240


 20.0910, 0.5216,
0.4240


252.4073, 0.4123,
0.3871


 12.4612, 0.5452,
0.4248


 43.5697, 0.4833,
0.4158


 7.0586, 0.5765,
0.4235

 60.1874, 0.4682,
0.4109


 3.4988, 0.5979,
0.4021

 80.5699, 0.4553,
0.4062

 1.3973, 0.6322,
0.3678

 105.1015, 0.4442,
0.4017

 0.2148, 0.7975,
0.2025


 134.1666, 0.4345,
0.3976


 0.0000, 0.0000,
0.0000


 168.1497, 0.4261,

0.3938


 207.4352, 0.4188,
0.3903


 20.0910, 0.5216,
0.4240

 20.0910, 0.5216,
0.4240


 20.0840, 0.5217,
0.4240

 21.8254, 0.5039,
0.4284

 23.7582, 0.4833,
0.4282

 25.9100, 0.4601,
0.4230

 28.2923, 0.4356,
0.4136

 30.9154, 0.4112,
0.4013

■ 33.7884, 0.3878,
0.3872

■ 36.9200, 0.3660,
0.3723

■ 40.3182, 0.3462,
0.3574

■ 43.9907, 0.3284,
0.3428

Harmonies

Analogous

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



20.0910, 0.5401, 0.3461



20.0910, 0.5216, 0.4240



20.0910, 0.4461, 0.5051

Triad

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



20.0910, 0.5216, 0.4240



20.0910, 0.1633, 0.3640



20.0910, 0.2420, 0.1757

Complementary

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



20.0910, 0.5216, 0.4240



9.2077, 0.1714, 0.1369

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.



20.0910, 0.1673, 0.1638



20.0910, 0.5216, 0.4240



20.0910, 0.1285, 0.2450

Square

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



20.0910, 0.5216, 0.4240



20.0910, 0.2413, 0.5032



20.0910, 0.1312, 0.1830



20.0910, 0.3561, 0.2147

Rectangle

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



20.0910, 0.5216, 0.4240



20.0910, 0.3800, 0.5456



20.0910, 0.1312, 0.1830



20.0910, 0.2124, 0.1686

Sweetspot

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



20.0921, 0.5216, 0.4240



66.6124, 0.3672, 0.3732



10.8129, 0.5169, 0.2621



13.8381, 0.3761, 0.3795



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



20.0921, 0.5216, 0.4240



35.9285, 0.5238, 0.4223



43.3659, 0.4106, 0.5121



9.8316, 0.3274, 0.3419



13.9866, 0.5201, 0.4253



0.6138, 0.4875, 0.4511

Inverse Universe

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



9.2077, 0.1714, 0.1369



16.2231, 0.1705, 0.1339



3.5220, 0.1516, 0.0609



9.3448, 0.2985, 0.3157



6.4768, 0.1720, 0.1391



0.3519, 0.1862, 0.1905

Previews

White Background



This preview shows how the Yxy color 20.0910, 0.5216, 0.4240 looks on a white background.

Color Contrast Check

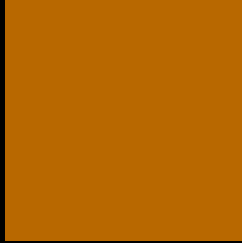
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0910, 0.5216, 0.4240 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 20.0910, 0.5216, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 20.0910, 0.5216, 0.4240.



This preview shows how white text looks on a background with the Yxy color 20.0910, 0.5216, 0.4240.

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

20.0910, 0.5216, 0.4240

Protanopia

20.2772, 0.4350, 0.4837

Deuteranopia

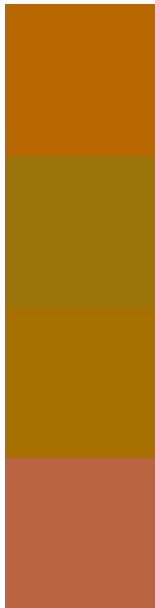
20.1250, 0.4705, 0.4646



Tritanopia

20.2402, 0.4346, 0.3197

Trichromacy



Original Color

20.0910, 0.5216, 0.4240

Protanomaly

19.8124, 0.4682, 0.4609

Deuteranomaly

20.0257, 0.4899, 0.4492

Tritanomaly

20.0725, 0.4842, 0.3734

Monochromacy



Original Color

20.0910, 0.5216, 0.4240

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7455, 0.4029, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0910, 0.5216, 0.4240 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(184, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 104, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.0910, 0.5216, 0.4240 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(184, 104, 0) }
```

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

```
.border{ border-color:rgb(184, 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(184, 104, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 104,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0910, 0.5216, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 104, 0) }
```

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

```
.background{ background-color: rgb(184,  
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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