

Converting Colors

$Y_{xy}(20.3066, 0.5337, 0.4145)$

Have a look what the booklet for
Yxy(20.3066, 0.5337, 0.4145)
contains.

Yxy(20.1907, 0.5341, 0.4141)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1907, 0.5341, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	BF6400
RGB	191, 100, 0
RGB Percent	75%, 39%, 0%
CMY	0.2510, 0.6078, 0.9998
CMYK	0.00, 0.48, 1.00, 0.25
HSL	31°, 100%, 37%
HSV	31°, 100%, 75%
XYZ	26.0417, 20.1907, 2.5257
YIQ	115.8090, 86.3360, -11.8080

Conversions

Conversions Part 2

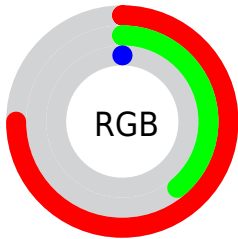
Format	Color
R _Y B	174, 191, 0
Decimal	12542976
CIE Lab	52.05, 31.42, 60.29
CIE LCh	52, 67.988, 62.475
Yxy	20.1907, 0.5341, 0.4141
Android (android.graphics.Color)	4290733056 (0xFFBF6400)
YUV	115.8090, -57.0938, 65.9425
Hunter-Lab	44.9341, 24.8156, 28.1213

Details

The Yxy color **20.1907, 0.5341, 0.4141** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.2472, 0.1749, 0.1497**, and the grayscale version is **17.5643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6980, 0.4933, 0.4096**, and **7.1929, 0.5678, 0.3874** is the 20% darker color. If you saturate the color by 10%, you get **20.1880, 0.5341, 0.4141**, and if you desaturate by 10%, it is **22.0837, 0.5146, 0.4196**.

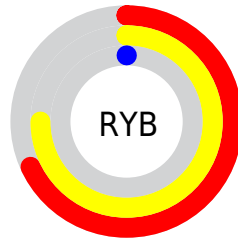
Distribution



Red (75%)

Green (39%)

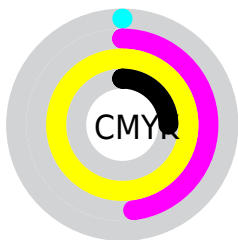
Blue (0%)



Red (68%)

Yellow (75%)

Blue (0%)

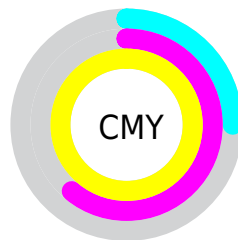


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1907, 0.5341, 0.4141 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 20.1907, 0.5341, 0.4141 by changing the saturation by 10% instead.


 20.1907, 0.5341,
0.4141


 20.1907, 0.5341,
0.4141


252.9456, 0.4181,
0.3843


 12.5337, 0.5593,
0.4126


 43.7367, 0.4935,
0.4090

 7.1083, 0.5922,
0.4078

 60.3945, 0.4774,
0.4051


 3.5299, 0.6166,
0.3834

 80.8214, 0.4637,
0.4011

 1.4142, 0.6552,
0.3448

 105.4017, 0.4519,
0.3973

 0.2272, 0.8135,
0.1865


 134.5199, 0.4417,
0.3936


 0.0000, 0.0000,
0.0000


 168.5604, 0.4328,

0.3903

 207.9075, 0.4250,
0.3871


 20.1907, 0.5341,
0.4141

 20.1907, 0.5341,
0.4141


 20.1880, 0.5341,
0.4141

 22.0837, 0.5146,
0.4196

 24.2234, 0.4920,
0.4205

 26.6332, 0.4667,
0.4163

 29.3274, 0.4404,
0.4079

 32.3185, 0.4144,
0.3965

■ 35.6180, 0.3898,
0.3834

■ 39.2366, 0.3671,
0.3694

■ 43.1843, 0.3467,
0.3555

■ 47.4706, 0.3286,
0.3419

Harmonies

Analogous

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



20.1907, 0.5450, 0.3356



20.1907, 0.5341, 0.4141



20.1907, 0.4603, 0.4991

Triad

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



20.1907, 0.5341, 0.4141



20.1907, 0.1656, 0.3840



20.1907, 0.2273, 0.1682

Complementary

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



20.1907, 0.5341, 0.4141



11.2472, 0.1749, 0.1497

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.



20.1907, 0.1563, 0.1596



20.1907, 0.5341, 0.4141



20.1907, 0.1253, 0.2532

Square

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



20.1907, 0.5341, 0.4141



20.1907, 0.2503, 0.5252



20.1907, 0.1240, 0.1833



20.1907, 0.3410, 0.2047

Rectangle

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



20.1907, 0.5341, 0.4141



20.1907, 0.3935, 0.5468



20.1907, 0.1240, 0.1833



20.1907, 0.1988, 0.1621

Sweetspot

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



20.1918, 0.5341, 0.4141



69.9447, 0.3682, 0.3701



11.8547, 0.5034, 0.2547



14.7388, 0.3777, 0.3761



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.



20.1918, 0.5341, 0.4141



35.6698, 0.5363, 0.4123



47.9249, 0.4164, 0.5075



10.3406, 0.3276, 0.3410



13.4309, 0.5322, 0.4156



0.6563, 0.4982, 0.4426

Inverse Universe

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



11.2472, 0.1749, 0.1497



19.6591, 0.1742, 0.1469



3.7829, 0.1505, 0.0603



9.9550, 0.2984, 0.3167



7.5489, 0.1756, 0.1520



0.4267, 0.1881, 0.1972

Previews

White Background



This preview shows how the Yxy color 20.1907, 0.5341, 0.4141 looks on a white background.

Color Contrast Check

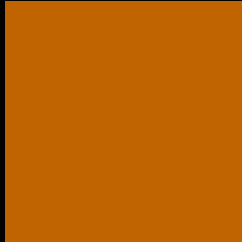
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1907, 0.5341, 0.4141 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 20.1907, 0.5341, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 20.1907, 0.5341, 0.4141.



This preview shows how white text looks on a background with the Yxy color 20.1907, 0.5341, 0.4141.

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

20.1907, 0.5341, 0.4141

Protanopia

20.3674, 0.4360, 0.4823

Deuteranopia

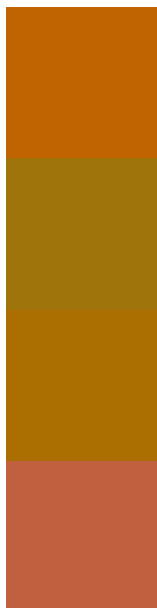
20.2260, 0.4717, 0.4636



Tritanopia

20.1989, 0.4523, 0.3215

Trichromacy



Original Color

20.1907, 0.5341, 0.4141

Protanomaly

19.8836, 0.4733, 0.4569

Deuteranomaly

19.9149, 0.4964, 0.4441

Tritanomaly

20.0621, 0.4987, 0.3696

Monochromacy



Original Color

20.1907, 0.5341, 0.4141

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.4859, 0.4074, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1907, 0.5341, 0.4141 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(191, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.1907, 0.5341, 0.4141 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(191, 100, 0) }
```

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

```
.border{ border-color:rgb(191, 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(191, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1907, 0.5341, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 100, 0) }
```

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

```
.background{ background-color: rgb(191,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor