

Converting Colors

$Y_{xy}(20.5310, 0.5319, 0.4159)$

Have a look what the booklet for
Yxy(20.5310, 0.5319, 0.4159)
contains.

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Color

Yxy(20.5791, 0.5311, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	BF6600
RGB	191, 102, 0
RGB Percent	75%, 40%, 0%
CMY	0.2509, 0.6000, 1.0000
CMYK	0.00, 0.47, 1.00, 0.25
HSL	32°, 100%, 37%
HSV	32°, 100%, 75%
XYZ	26.2414, 20.5791, 2.5891
YIQ	116.9830, 85.7860, -12.8540

Conversions

Conversions Part 2

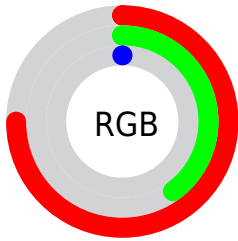
Format	Color
R_{YB}	167, 191, 0
Decimal	12543488
CIE _{Lab}	52.49, 30.38, 60.57
CIE _{LCh}	52, 67.759, 63.362
Yxy	20.5791, 0.5311, 0.4165
Android (android.graphics.Color)	4290733568 (0xFFBF6600)
YUV	116.9830, -57.6726, 64.9129
Hunter-Lab	45.3642, 23.8680, 28.3711

Details

The Yxy color **20.5791, 0.5311, 0.4165** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.9133, 0.1740, 0.1463**, and the grayscale version is **17.9463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3640, 0.4908, 0.4109**, and **7.3715, 0.5636, 0.3907** is the 20% darker color. If you saturate the color by 10%, you get **20.5797, 0.5311, 0.4165**, and if you desaturate by 10%, it is **22.4724, 0.5121, 0.4218**.

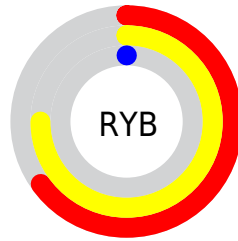
Distribution



Red (75%)

Green (40%)

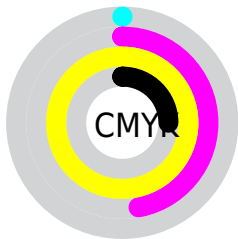
Blue (0%)



Red (65%)

Yellow (75%)

Blue (0%)

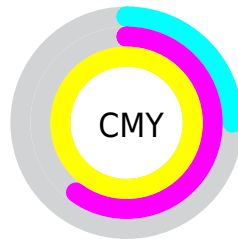


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5791, 0.5311, 0.4165 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 20.5791, 0.5311, 0.4165 by changing the saturation by 10% instead.


 20.5791, 0.5311,
0.4165


 20.5791, 0.5311,
0.4165


255.0331, 0.4171,
0.3851


 12.8167, 0.5557,
0.4156


 44.3860, 0.4913,
0.4107


 7.3024, 0.5882,
0.4118

 61.1992, 0.4755,
0.4066


 3.6520, 0.6115,
0.3885

 81.7982, 0.4620,
0.4025

 1.4808, 0.6485,
0.3515

 106.5674, 0.4504,
0.3985


 0.2752, 0.7865,
0.2135


 135.8910, 0.4404,
0.3947


 0.0000, 0.0000,
0.0000


 170.1536, 0.4316,

0.3913


 209.7395, 0.4239,
0.3881


 20.5791, 0.5311,
0.4165


 20.5791, 0.5311,
0.4165


 20.5797, 0.5311,
0.4165

 22.4724, 0.5121,
0.4218

 24.6048, 0.4900,
0.4225

 26.9996, 0.4652,
0.4180

 29.6704, 0.4394,
0.4094

 32.6295, 0.4137,
0.3978

■ 35.8880, 0.3894,
0.3844

■ 39.4562, 0.3670,
0.3702

■ 43.3439, 0.3467,
0.3560

■ 47.5603, 0.3286,
0.3421

Harmonies

Analogous

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



20.5791, 0.5439, 0.3381



20.5791, 0.5311, 0.4165



20.5791, 0.4569, 0.5006

Triad

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



20.5791, 0.5311, 0.4165



20.5791, 0.1650, 0.3791



20.5791, 0.2308, 0.1700

Complementary

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



20.5791, 0.5311, 0.4165



10.9133, 0.1740, 0.1463

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.



20.5791, 0.1589, 0.1606



20.5791, 0.5311, 0.4165



20.5791, 0.1261, 0.2512

Square

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



20.5791, 0.5311, 0.4165



20.5791, 0.2481, 0.5199



20.5791, 0.1257, 0.1833



20.5791, 0.3446, 0.2071

Rectangle

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



20.5791, 0.5311, 0.4165



20.5791, 0.3902, 0.5467



20.5791, 0.1257, 0.1833



20.5791, 0.2020, 0.1637

Sweetspot

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



20.5802, 0.5311, 0.4165



70.3304, 0.3680, 0.3709



11.8030, 0.5106, 0.2586



14.8324, 0.3774, 0.3770



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.



20.5802, 0.5311, 0.4165



36.3575, 0.5333, 0.4148



47.5426, 0.4135, 0.5099



10.3571, 0.3275, 0.3413



13.6839, 0.5292, 0.4180



0.6658, 0.4961, 0.4443

Inverse Universe

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



10.9133, 0.1740, 0.1463



19.0641, 0.1732, 0.1435



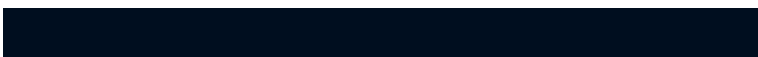
3.8038, 0.1510, 0.0605



9.9387, 0.2984, 0.3164



7.3281, 0.1746, 0.1487



0.4180, 0.1874, 0.1945

Previews

White Background



This preview shows how the Yxy color 20.5791, 0.5311, 0.4165 looks on a white background.

Color Contrast Check

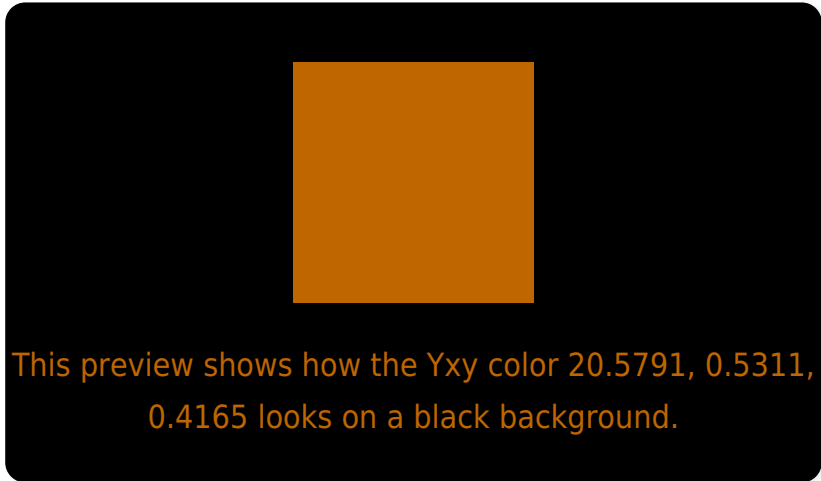
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.5791, 0.5311, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 20.5791, 0.5311, 0.4165.



This preview shows how white text looks on a background with the Yxy color 20.5791, 0.5311, 0.4165.

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

20.5791, 0.5311, 0.4165

Protanopia

20.7099, 0.4359, 0.4825

Deuteranopia

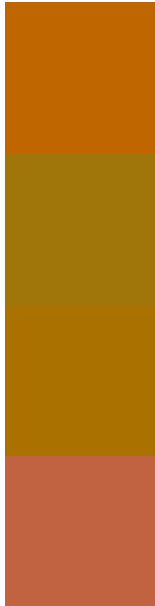
20.5646, 0.4714, 0.4639



Tritanopia

20.5933, 0.4479, 0.3215

Trichromacy



Original Color

20.5791, 0.5311, 0.4165

Protanomaly

20.2181, 0.4730, 0.4572

Deuteranomaly

20.4682, 0.4943, 0.4457

Tritanomaly

20.4430, 0.4953, 0.3711

Monochromacy



Original Color

20.5791, 0.5311, 0.4165

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.0120, 0.4071, 0.3957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5791, 0.5311, 0.4165 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, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 102, 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, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.5791, 0.5311, 0.4165 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, 102, 0) }
```

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

```
.border{ border-color:rgb(191, 102, 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, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5791, 0.5311, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 102, 0) }
```

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

```
.background{ background-color: rgb(191,  
102, 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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