

Converting Colors

$Y_{xy}(18.3794, 0.5496, 0.4018)$

Have a look what the booklet for
Yxy(18.3794, 0.5496, 0.4018)
contains.

Yxy(18.3887, 0.5495, 0.4019)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.3887, 0.5495, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	BF5A00
RGB	191, 90, 0
RGB Percent	75%, 35%, 0%
CMY	0.2510, 0.6470, 1.0000
CMYK	0.00, 0.53, 1.00, 0.25
HSL	28°, 100%, 37%
HSV	28°, 100%, 75%
XYZ	25.1421, 18.3887, 2.2237
YIQ	109.9390, 89.0860, -6.5780

Conversions

Conversions Part 2

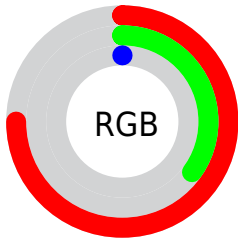
Format	Color
RYB	191, 170, 0
Decimal	12540416
CIELab	49.96, 36.64, 59.06
CIELCh	50, 69.503, 58.189
Yxy	18.3887, 0.5495, 0.4019
Android (android.graphics.Color)	4290730496 (0xFFBF5A00)
YUV	109.9390, -54.1999, 71.0905
Hunter-Lab	42.8820, 29.6122, 26.9429

Details

The Yxy color **18.3887, 0.5495, 0.4019** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.0677, 0.1798, 0.1671**, and the grayscale version is **15.7147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7646, 0.5046, 0.4001**, and **6.2634, 0.5892, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **18.3898, 0.5495, 0.4019**, and if you desaturate by 10%, it is **20.2583, 0.5279, 0.4086**.

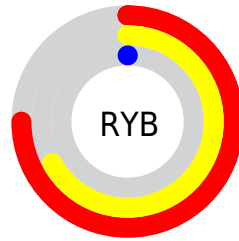
Distribution



Red (75%)

Green (35%)

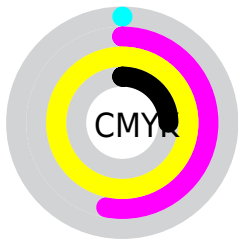
Blue (0%)



Red (75%)

Yellow (67%)

Blue (0%)

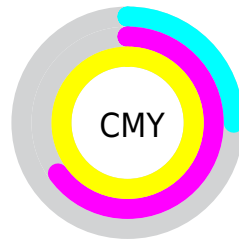


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3887, 0.5495, 0.4019 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 18.3887, 0.5495, 0.4019 by changing the saturation by 10% instead.


 18.3887, 0.5495,
0.4019


 18.3887, 0.5495,
0.4019

243.0529, 0.4235,
0.3800


 11.2294, 0.5778,
0.3978


 40.6986, 0.5049,
0.4003


 6.2214, 0.6126,
0.3874

 56.6179, 0.4874,
0.3975

 2.9801, 0.6424,
0.3576

 76.2261, 0.4725,
0.3944

 1.1214, 0.6897,
0.3103

 99.9075, 0.4598,
0.3912

 0.0000, 1.0000,
0.0000

 128.0464, 0.4488,
0.3881

 0.0000, 0.0000,
0.0000


 161.0274, 0.4392,

0.3852


 199.2348, 0.4308,
0.3825


 18.3887, 0.5495,
0.4019

 18.3887, 0.5495,
0.4019


 18.3898, 0.5495,
0.4019

 20.2583, 0.5279,
0.4086

 22.4138, 0.5027,
0.4106

 24.8811, 0.4748,
0.4075

 27.6766, 0.4460,
0.4003

 30.8152, 0.4181,
0.3901

■ 34.3104, 0.3920,
0.3782

■ 38.1749, 0.3683,
0.3656

■ 42.4204, 0.3473,
0.3529

■ 47.0584, 0.3288,
0.3406

Harmonies

Analogous

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



18.3887, 0.5508, 0.3227



18.3887, 0.5495, 0.4019



18.3887, 0.4775, 0.4910

Triad

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



18.3887, 0.5495, 0.4019



18.3887, 0.1683, 0.4103



18.3887, 0.2099, 0.1591

Complementary

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



18.3887, 0.5495, 0.4019



13.0677, 0.1798, 0.1671

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.



18.3887, 0.1433, 0.1543



18.3887, 0.5495, 0.4019



18.3887, 0.1211, 0.2639

Square

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



18.3887, 0.5495, 0.4019



18.3887, 0.2609, 0.5519



18.3887, 0.1154, 0.1836



18.3887, 0.3226, 0.1926

Rectangle

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



18.3887, 0.5495, 0.4019



18.3887, 0.4095, 0.5466



18.3887, 0.1154, 0.1836



18.3887, 0.1828, 0.1542

Sweetspot

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



18.3898, 0.5495, 0.4019



68.0276, 0.3694, 0.3662



12.0330, 0.4823, 0.2430



14.2744, 0.3792, 0.3716



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.



18.3898, 0.5495, 0.4019



32.4583, 0.5519, 0.4000



45.6210, 0.4252, 0.5005



10.2578, 0.3277, 0.3398



12.2442, 0.5473, 0.4036



0.6106, 0.5089, 0.4341

Inverse Universe

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



13.0677, 0.1798, 0.1671



22.9131, 0.1791, 0.1646



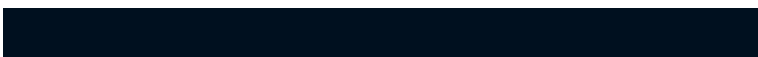
3.8998, 0.1506, 0.0620



10.0379, 0.2984, 0.3179



8.7504, 0.1804, 0.1694



0.4728, 0.1920, 0.2110

Previews

White Background



This preview shows how the Yxy color 18.3887, 0.5495, 0.4019 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 18.3887, 0.5495, 0.4019 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 18.3887, 0.5495, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 18.3887, 0.5495, 0.4019.



This preview shows how white text looks on a background with the Yxy color 18.3887, 0.5495, 0.4019.

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

18.3887, 0.5495, 0.4019

Protanopia

18.6243, 0.4347, 0.4816

Deuteranopia

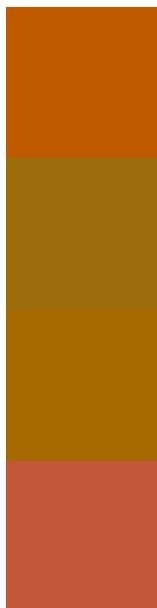
18.3896, 0.4711, 0.4641



Tritanopia

18.5313, 0.4747, 0.3231

Trichromacy



Original Color

18.3887, 0.5495, 0.4019

Protanomaly

17.9300, 0.4792, 0.4511

Deuteranomaly

18.2101, 0.5018, 0.4398

Tritanomaly

18.2884, 0.5173, 0.3630

Monochromacy



Original Color

18.3887, 0.5495, 0.4019

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6317, 0.4133, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3887, 0.5495, 0.4019 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, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 90, 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, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.3887, 0.5495, 0.4019 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, 90, 0) }
```

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

```
.border{ border-color:rgb(191, 90, 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, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.3887, 0.5495, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 90, 0) }
```

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

```
.background{ background-color: rgb(191, 90,  
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