

Converting Colors

$Y_{xy}(18.4488, 0.5431, 0.4070)$

Have a look what the booklet for
Yxy(18.4488, 0.5431, 0.4070)
contains.

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Color

Yxy(18.5201, 0.5424, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	BC5D00
RGB	188, 93, 0
RGB Percent	74%, 36%, 0%
CMY	0.2628, 0.6352, 0.9998
CMYK	0.00, 0.51, 1.00, 0.26
HSL	30°, 100%, 37%
HSV	30°, 100%, 74%
XYZ	24.6510, 18.5201, 2.2769
YIQ	110.8030, 86.4730, -8.7830

Conversions

Conversions Part 2

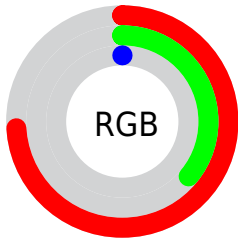
Format	Color
RYB	188, 184, 0
Decimal	12344576
CIELab	50.12, 33.86, 58.90
CIELCh	50, 67.938, 60.109
Yxy	18.5201, 0.5424, 0.4075
Android (android.graphics.Color)	4290534656 (0xFFBC5D00)
YUV	110.8030, -54.6259, 67.7018
Hunter-Lab	43.0350, 26.9361, 26.9875

Details

The Yxy color **18.5201, 0.5424, 0.4075** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.8195, 0.1776, 0.1594**, and the grayscale version is **15.9820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9226, 0.4985, 0.4046**, and **6.3134, 0.5789, 0.3786** is the 20% darker color. If you saturate the color by 10%, you get **18.5160, 0.5424, 0.4075**, and if you desaturate by 10%, it is **20.3404, 0.5217, 0.4136**.

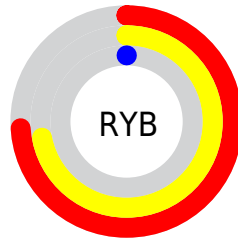
Distribution



Red (74%)

Green (36%)

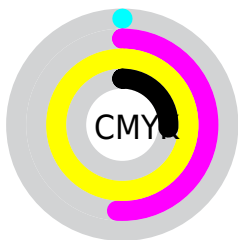
Blue (0%)



Red (74%)

Yellow (72%)

Blue (0%)

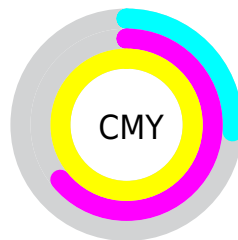


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5201, 0.5424, 0.4075 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 18.5201, 0.5424, 0.4075 by changing the saturation by 10% instead.


 18.5201, 0.5424,
0.4075


 18.5201, 0.5424,
0.4075


243.7865, 0.4203,
0.3816


 11.3240, 0.5697,
0.4046


 40.9216, 0.4992,
0.4042


 6.2852, 0.6037,
0.3963


 56.8958, 0.4822,
0.4009

 3.0193, 0.6317,
0.3683

 76.5649, 0.4678,
0.3973

 1.1418, 0.6765,
0.3235

 100.3131, 0.4555,
0.3938

 0.0134, 0.9843,
0.0157


 128.5250, 0.4448,
0.3904


 0.0000, 0.0000,
0.0000


 161.5850, 0.4355,


0.3873


 199.8773, 0.4274,
0.3843

 18.5201, 0.5424,
0.4075


 18.5201, 0.5424,
0.4075


 18.5160, 0.5424,
0.4075

 20.3404, 0.5217,
0.4136

 22.4190, 0.4976,
0.4151

 24.7798, 0.4709,
0.4114

 27.4375, 0.4433,
0.4036

 30.4055, 0.4162,
0.3929

■ 33.6956, 0.3908,
0.3804

■ 37.3193, 0.3677,
0.3672

■ 41.2870, 0.3470,
0.3540

■ 45.6088, 0.3287,
0.3411

Harmonies

Analogous

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



18.5201, 0.5481, 0.3286



18.5201, 0.5424, 0.4075



18.5201, 0.4697, 0.4948

Triad

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



18.5201, 0.5424, 0.4075



18.5201, 0.1671, 0.3980



18.5201, 0.2178, 0.1633

Complementary

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



18.5201, 0.5424, 0.4075



11.8195, 0.1776, 0.1594

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.



18.5201, 0.1492, 0.1568



18.5201, 0.5424, 0.4075



18.5201, 0.1231, 0.2590

Square

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



18.5201, 0.5424, 0.4075



18.5201, 0.2561, 0.5397



18.5201, 0.1194, 0.1835



18.5201, 0.3310, 0.1982

Rectangle

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



18.5201, 0.5424, 0.4075



18.5201, 0.4022, 0.5469



18.5201, 0.1194, 0.1835



18.5201, 0.1900, 0.1579

Sweetspot

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



18.5211, 0.5424, 0.4075



67.2900, 0.3688, 0.3679



11.5566, 0.4890, 0.2468



13.8615, 0.3784, 0.3735



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



18.5211, 0.5424, 0.4075



33.0735, 0.5449, 0.4056



45.3261, 0.4222, 0.5029



10.2948, 0.3276, 0.3404



12.7572, 0.5405, 0.4090



0.6306, 0.5041, 0.4380

Inverse Universe

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



11.8195, 0.1776, 0.1594



20.9227, 0.1769, 0.1566



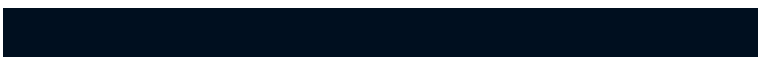
3.6998, 0.1503, 0.0610



10.0007, 0.2984, 0.3174



8.1940, 0.1782, 0.1615



0.4517, 0.1902, 0.2048

Previews

White Background



This preview shows how the Yxy color 18.5201, 0.5424, 0.4075 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 18.5201, 0.5424, 0.4075 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 18.5201, 0.5424, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 18.5201, 0.5424, 0.4075.



This preview shows how white text looks on a background with the Yxy color 18.5201, 0.5424, 0.4075.

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

18.5201, 0.5424, 0.4075

Protanopia

18.6243, 0.4347, 0.4816

Deuteranopia

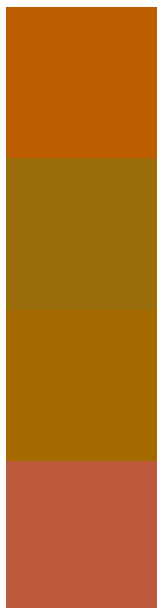
18.6139, 0.4695, 0.4654



Tritanopia

18.6655, 0.4641, 0.3229

Trichromacy



Original Color

18.5201, 0.5424, 0.4075

Protanomaly

18.0460, 0.4763, 0.4533

Deuteranomaly

18.2006, 0.4979, 0.4428

Tritanomaly

18.4077, 0.5084, 0.3656

Monochromacy



Original Color

18.5201, 0.5424, 0.4075

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.8445, 0.4110, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5201, 0.5424, 0.4075 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(188, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 93, 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(188, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5201, 0.5424, 0.4075 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(188, 93, 0) }
```

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

```
.border{ border-color:rgb(188, 93, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 93, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 93, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5201, 0.5424, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 93, 0) }
```

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

```
.background{ background-color: rgb(188, 93,  
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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