

Converting Colors

$Y_{xy}(18.3068, 0.5214, 0.4109)$

Have a look what the booklet for
Yxy(18.3068, 0.5214, 0.4109)
contains.

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Color

Yxy(18.3068, 0.5214, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	B46115
RGB	180, 97, 21
RGB Percent	71%, 38%, 8%
CMY	0.2942, 0.6196, 0.9178
CMYK	0.00, 0.46, 0.88, 0.29
HSL	29°, 79%, 39%
HSV	29°, 88%, 71%
XYZ	23.2299, 18.3068, 3.0162
YIQ	113.1530, 73.8640, -6.0400

Conversions

Conversions Part 2

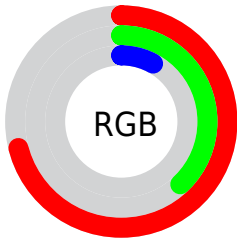
Format	Color
R _Y B	180, 167, 21
Decimal	11821333
CIE Lab	49.87, 28.71, 53.05
CIE LCh	50, 60.316, 61.580
Yxy	18.3068, 0.5214, 0.4109
Android (android.graphics.Color)	4290011413 (0xFFB46115)
YUV	113.1530, -45.4314, 58.6248
Hunter-Lab	42.7864, 22.0361, 25.7709

Details

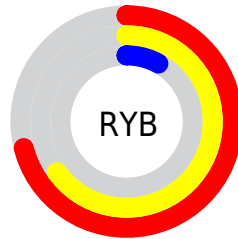
The Yxy color **18.3068, 0.5214, 0.4109** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.3392, 0.1877, 0.1856**, and the grayscale version is **16.6820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3616, 0.4807, 0.4037**, and **6.2616, 0.5622, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **16.6261, 0.5432, 0.4051**, and if you desaturate by 10%, it is **20.2396, 0.4960, 0.4117**.

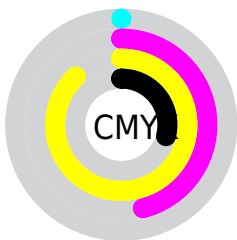
Distribution



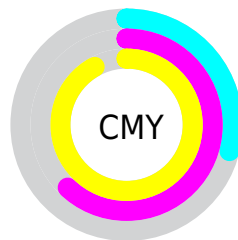
- Red (71%)
- Green (38%)
- Blue (8%)



- Red (71%)
- Yellow (65%)
- Blue (8%)



- Cyan (0%)
- Magenta (46%)
- Yellow (88%)
- Black (29%)




- Cyan (29%)
- Magenta (62%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3068, 0.5214, 0.4109 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 18.3068, 0.5214, 0.4109 by changing the saturation by 10% instead.


 18.3068, 0.5214,
0.4109


 18.3068, 0.5214,
0.4109


242.5947, 0.4081,
0.3787


 11.1705, 0.5481,
0.4113


 40.5594, 0.4801,
0.4037


 6.1816, 0.5881,
0.4119

 56.4445, 0.4644,
0.3994

 2.9558, 0.6131,
0.3869

 76.0146, 0.4511,
0.3952

 1.1087, 0.6540,
0.3460

 99.6542, 0.4398,
0.3913

 0.0000, 1.0000,
0.0000


 127.7476, 0.4302,
0.3877


 0.0000, 0.0000,
0.0000

 160.6792, 0.4218,


0.3844


 198.8334, 0.4145,
0.3814


 18.3068, 0.5214,
0.4109


 18.3068, 0.5214,
0.4109


 16.6261, 0.5432,
0.4051

 20.2396, 0.4960,
0.4117

 16.3706, 0.5468,
0.4040

 22.4403, 0.4682,
0.4076

 24.9233, 0.4400,
0.3995

 27.7010, 0.4127,
0.3888

 30.7846, 0.3873,
0.3766

■ 34.1847, 0.3643,
0.3638

■ 37.9113, 0.3439,
0.3511

■ 41.9737, 0.3259,
0.3388

■ 46.3811, 0.3103,
0.3271

Harmonies

Analogous

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



18.3068, 0.5262, 0.3361



18.3068, 0.5214, 0.4109



18.3068, 0.4564, 0.4887

Triad

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



18.3068, 0.5214, 0.4109



18.3068, 0.1785, 0.3844



18.3068, 0.2312, 0.1773

Complementary

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



18.3068, 0.5214, 0.4109



13.3392, 0.1877, 0.1856

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.



18.3068, 0.1647, 0.1702



18.3068, 0.5214, 0.4109



18.3068, 0.1376, 0.2635

Square

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



18.3068, 0.5214, 0.4109



18.3068, 0.2600, 0.5088



18.3068, 0.1346, 0.1950



18.3068, 0.3360, 0.2114

Rectangle

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



18.3068, 0.5214, 0.4109



18.3068, 0.3949, 0.5303



18.3068, 0.1346, 0.1950



18.3068, 0.2046, 0.1718

Sweetspot

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



18.3078, 0.5214, 0.4109



62.5758, 0.3624, 0.3627



11.2722, 0.4558, 0.2370



13.0608, 0.3697, 0.3670



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



18.3078, 0.5214, 0.4109



29.2274, 0.5494, 0.4020



40.2935, 0.4215, 0.4962



9.1534, 0.3276, 0.3399



11.5605, 0.5449, 0.4056



0.4808, 0.5011, 0.4403

Inverse Universe

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



13.3392, 0.1877, 0.1856



19.9918, 0.1785, 0.1626



4.2038, 0.1575, 0.0742



8.9392, 0.2985, 0.3178



8.0115, 0.1799, 0.1674



0.3680, 0.1935, 0.2167

Previews

White Background



This preview shows how the Yxy color 18.3068, 0.5214, 0.4109 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3068, 0.5214, 0.4109 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 18.3068, 0.5214, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 18.3068, 0.5214, 0.4109.



This preview shows how white text looks on a background with the Yxy color 18.3068, 0.5214, 0.4109.

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

18.3068, 0.5214, 0.4109

Protanopia

18.3411, 0.4300, 0.4743

Deuteranopia

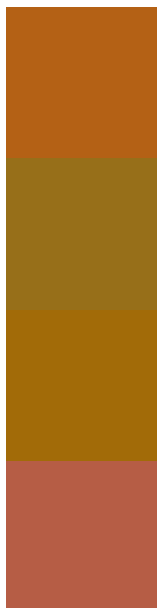
18.3896, 0.4711, 0.4641



Tritanopia

18.2427, 0.4440, 0.3196

Trichromacy



Original Color

18.3068, 0.5214, 0.4109

Protanomaly

18.0184, 0.4649, 0.4498

Deuteranomaly

18.2143, 0.4916, 0.4432

Tritanomaly

18.2035, 0.4822, 0.3616

Monochromacy



Original Color

18.3068, 0.5214, 0.4109

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.4129, 0.3932, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3068, 0.5214, 0.4109 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(180, 97, 21)` looks like.

```
.text, #text, p{  
    color:rgb(180, 97, 21)  
}
```

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(180, 97, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 97, 21) }
```

Border

The CSS property to change the border of an element to Yxy 18.3068, 0.5214, 0.4109 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(180, 97, 21) }
```

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

```
.border{ border-color:rgb(180, 97, 21) }
```

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

Here you see how a box with a 4 pixel rgb(180, 97, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 97, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 97, 21);  
box-shadow:4px 4px 4px 4px rgb(180, 97,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3068, 0.5214, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 97, 21) }
```

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

```
.background{ background-color: rgb(180, 97,  
21) }
```

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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