

Converting Colors

$Y_{xy}(15.1854, 0.5142, 0.4012)$

Have a look what the booklet for
Yxy(15.1854, 0.5142, 0.4012)
contains.

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Color

Yxy(15.1854, 0.5142, 0.4012)

Conversions

Conversions Part 1

Format	Color
Hex	A6581F
RGB	166, 88, 31
RGB Percent	65%, 35%, 12%
CMY	0.3490, 0.6549, 0.8784
CMYK	0.00, 0.47, 0.81, 0.35
HSL	25°, 69%, 39%
HSV	25°, 81%, 65%
XYZ	19.4624, 15.1854, 3.2021
YIQ	104.8240, 64.7850, -1.1910

Conversions

Conversions Part 2

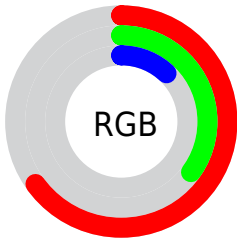
Format	Color
RYB	166, 130, 31
Decimal	10901535
CIELab	45.89, 27.95, 44.97
CIElCh	46, 52.948, 58.135
Yxy	15.1854, 0.5142, 0.4012
Android (android.graphics.Color)	4289091615 (0xFFA6581F)
YUV	104.8240, -36.3952, 53.6514
Hunter-Lab	38.9684, 20.9554, 22.4060

Details

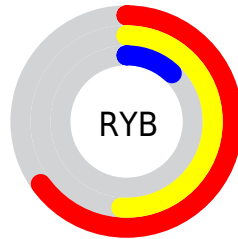
The Yxy color **15.1854, 0.5142, 0.4012** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.9811, 0.1987, 0.2151**, and the grayscale version is **14.1646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2132, 0.4702, 0.3938**, and **4.7057, 0.5695, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **13.6476, 0.5412, 0.3979**, and if you desaturate by 10%, it is **16.9770, 0.4842, 0.3994**.

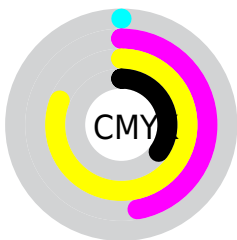
Distribution



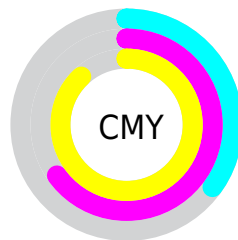
- Red (65%)
- Green (35%)
- Blue (12%)



- Red (65%)
- Yellow (51%)
- Blue (12%)



- Cyan (0%)
- Magenta (47%)
- Yellow (81%)
- Black (35%)



- Cyan (35%)
- Magenta (65%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1854, 0.5142, 0.4012 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 15.1854, 0.5142, 0.4012 by changing the saturation by 10% instead.


 15.1854, 0.5142,
0.4012


 15.1854, 0.5142,
0.4012

224.4857, 0.3996,
0.3709


 8.9496, 0.5441,
0.4021


 35.1781, 0.4705,
0.3938

 4.7083, 0.5941,
0.4059


 49.7038, 0.4545,
0.3897


 2.0772, 0.6235,
0.3765

 67.7616, 0.4412,
0.3858

 0.6517, 0.6809,
0.3191

 89.7358, 0.4301,
0.3822


 0.0000, 1.0000,
0.0000


 116.0110, 0.4207,
0.3789


 0.0000, 0.0000,
0.0000


 146.9714, 0.4127,

0.3760

 183.0015, 0.4057,
0.3733

 15.1854, 0.5142,
0.4012

 15.1854, 0.5142,
0.4012


 13.6476, 0.5412,
0.3979


 16.9770, 0.4842,
0.3994

 12.4984, 0.5620,
0.3920

 19.0338, 0.4535,
0.3935

 21.3688, 0.4238,
0.3848

 23.9935, 0.3964,
0.3743

 26.9185, 0.3717,
0.3631

■ 30.1538, 0.3500,
0.3517

■ 33.7089, 0.3311,
0.3407

■ 37.5929, 0.3147,
0.3303

■ 41.8145, 0.3006,
0.3206

Harmonies

Analogous

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



15.1854, 0.5087, 0.3299



15.1854, 0.5142, 0.4012



15.1854, 0.4596, 0.4743

Triad

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



15.1854, 0.5142, 0.4012



15.1854, 0.1938, 0.3958



15.1854, 0.2269, 0.1825

Complementary

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



15.1854, 0.5142, 0.4012



13.9811, 0.1987, 0.2151

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.



15.1854, 0.1671, 0.1793



15.1854, 0.5142, 0.4012



15.1854, 0.1491, 0.2794

Square

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



15.1854, 0.5142, 0.4012



15.1854, 0.2753, 0.5040



15.1854, 0.1418, 0.2079



15.1854, 0.3224, 0.2125

Rectangle

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



15.1854, 0.5142, 0.4012



15.1854, 0.4034, 0.5140



15.1854, 0.1418, 0.2079



15.1854, 0.2029, 0.1783

Sweetspot

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



15.1862, 0.5142, 0.4012



52.8319, 0.3565, 0.3552



10.2073, 0.4238, 0.2275



11.3704, 0.3639, 0.3591



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



15.1862, 0.5142, 0.4012



22.7333, 0.5606, 0.3913



31.5640, 0.4244, 0.4845



8.0435, 0.3276, 0.3386



9.7811, 0.5605, 0.3932



0.3399, 0.5034, 0.4385

Inverse Universe

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



13.9811, 0.1987, 0.2151



20.2182, 0.1853, 0.1860



4.7187, 0.1672, 0.0952



7.9932, 0.2987, 0.3192



8.7028, 0.1853, 0.1871



0.3097, 0.1998, 0.2391

Previews

White Background



This preview shows how the Yxy color 15.1854, 0.5142, 0.4012 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 15.1854, 0.5142, 0.4012 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.1854, 0.5142, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 15.1854, 0.5142, 0.4012.



This preview shows how white text looks on a background with the Yxy color 15.1854, 0.5142, 0.4012.

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

15.1854, 0.5142, 0.4012

Protanopia

15.2084, 0.4191, 0.4609

Deuteranopia

15.3741, 0.4584, 0.4516



Tritanopia

15.1742, 0.4464, 0.3204

Trichromacy



Original Color

15.1854, 0.5142, 0.4012

Protanomaly

14.8320, 0.4553, 0.4374

Deuteranomaly

15.1104, 0.4800, 0.4322

Tritanomaly

15.0707, 0.4778, 0.3542

Monochromacy



Original Color

15.1854, 0.5142, 0.4012

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.9858, 0.3868, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1854, 0.5142, 0.4012 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(166, 88, 31)` looks like.

```
.text, #text, p{  
    color:rgb(166, 88, 31)  
}
```

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(166, 88, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 88, 31) }
```

Border

The CSS property to change the border of an element to Yxy 15.1854, 0.5142, 0.4012 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(166, 88, 31) }
```

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

```
.border{ border-color:rgb(166, 88, 31) }
```

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

Here you see how a box with a 4 pixel rgb(166, 88, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 88, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 88, 31);  
box-shadow:4px 4px 4px 4px rgb(166, 88,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1854, 0.5142, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 88, 31) }
```

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

```
.background{ background-color: rgb(166, 88,  
31) }
```

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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