

Converting Colors

$Y_{xy}(15.5352, 0.5842, 0.3744)$

Have a look what the booklet for
Yxy(15.5352, 0.5842, 0.3744)
contains.

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Color

Yxy(15.6036, 0.5838, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	C24400
RGB	194, 68, 0
RGB Percent	76%, 27%, 0%
CMY	0.2392, 0.7334, 0.9996
CMYK	0.00, 0.65, 1.00, 0.24
HSL	21°, 100%, 38%
HSV	21°, 100%, 76%
XYZ	24.3176, 15.6036, 1.7328
YIQ	97.9220, 96.9240, 5.5640

Conversions

Conversions Part 2

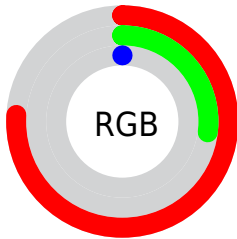
Format	Color
RYB	194, 105, 0
Decimal	12731392
CIELab	46.45, 48.24, 57.37
CIELCh	46, 74.950, 49.941
Yxy	15.6036, 0.5838, 0.3746
Android (android.graphics.Color)	4290921472 (0xFFC24400)
YUV	97.9220, -48.2755, 84.2604
Hunter-Lab	39.5014, 40.7597, 25.0501

Details

The Yxy color **15.6036, 0.5838, 0.3746** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **18.8461, 0.1916, 0.2098**, and the grayscale version is **12.3006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2402, 0.5291, 0.3818**, and **4.9707, 0.6376, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **15.5967, 0.5839, 0.3746**, and if you desaturate by 10%, it is **17.3454, 0.5584, 0.3830**.

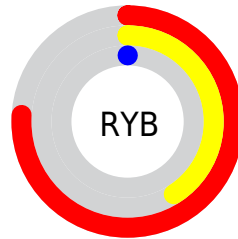
Distribution



Red (76%)

Green (27%)

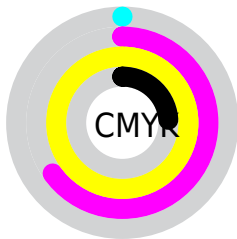
Blue (0%)



Red (76%)

Yellow (41%)

Blue (0%)

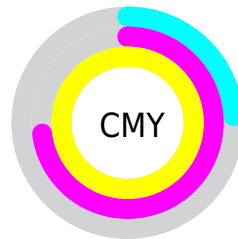


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (73%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6036, 0.5838, 0.3746 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 15.6036, 0.5838, 0.3746 by changing the saturation by 10% instead.


 15.6036, 0.5838,
0.3746


 15.6036, 0.5838,
0.3746


 226.9911, 0.4361,
0.3710


 9.2441, 0.6198,
0.3651


 35.9087, 0.5308,
0.3812


 4.9007, 0.6573,
0.3427

 50.6230, 0.5102,
0.3810

 2.1891, 0.6981,
0.3019

 68.8910, 0.4928,
0.3799

 0.7141, 0.7645,
0.2355

 91.0972, 0.4779,
0.3783


 0.0000, 1.0000,
0.0000


 117.6259, 0.4652,
0.3765


 0.0000, 0.0000,
0.0000

 148.8616, 0.4541,

0.3746


 185.1885, 0.4445,
0.3728


 15.6036, 0.5838,
0.3746


 15.6036, 0.5838,
0.3746


 15.5967, 0.5839,
0.3746

 17.3454, 0.5584,
0.3830

 19.4822, 0.5278,
0.3873

 22.0499, 0.4938,
0.3867

 25.0739, 0.4594,
0.3821

 28.5773, 0.4267,
0.3748

■ 32.5814, 0.3970,
0.3659

■ 37.1061, 0.3709,
0.3564

■ 42.1701, 0.3484,
0.3469

■ 47.7912, 0.3291,
0.3376

Harmonies

Analogous

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



15.6036, 0.5628, 0.2948



15.6036, 0.5838, 0.3746



15.6036, 0.5160, 0.4708

Triad

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



15.6036, 0.5838, 0.3746



15.6036, 0.1730, 0.4759



15.6036, 0.1738, 0.1393

Complementary

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



15.6036, 0.5838, 0.3746



18.8461, 0.1916, 0.2098

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.



15.6036, 0.1164, 0.1422



15.6036, 0.5838, 0.3746



15.6036, 0.1110, 0.2902

Square

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



15.6036, 0.5838, 0.3746



15.6036, 0.2813, 0.6074



15.6036, 0.0965, 0.1836



15.6036, 0.2827, 0.1666

Rectangle

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



15.6036, 0.5838, 0.3746



15.6036, 0.4437, 0.5411



15.6036, 0.0965, 0.1836



15.6036, 0.1497, 0.1368

Sweetspot

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



15.6045, 0.5838, 0.3746



66.7649, 0.3722, 0.3569



12.9827, 0.4343, 0.2166



13.8277, 0.3831, 0.3611



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



15.6045, 0.5838, 0.3746



27.8242, 0.5866, 0.3724



38.3531, 0.4486, 0.4820



10.6419, 0.3280, 0.3371



10.3936, 0.5815, 0.3765



0.5793, 0.5382, 0.4109

Inverse Universe

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



18.8461, 0.1916, 0.2098



33.6272, 0.1910, 0.2077



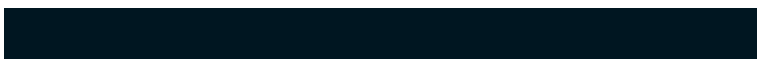
4.7838, 0.1534, 0.0720



10.8156, 0.2984, 0.3207



12.5418, 0.1921, 0.2115



0.6671, 0.2002, 0.2407

Previews

White Background



This preview shows how the Yxy color 15.6036, 0.5838, 0.3746 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 15.6036, 0.5838, 0.3746 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 15.6036, 0.5838, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 15.6036, 0.5838, 0.3746.



This preview shows how white text looks on a background with the Yxy color 15.6036, 0.5838, 0.3746.

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

15.6036, 0.5838, 0.3746

Protanopia

15.7794, 0.4323, 0.4781

Deuteranopia

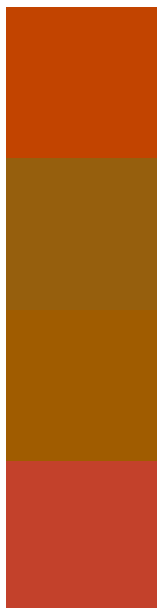
15.6786, 0.4703, 0.4648



Tritanopia

15.5624, 0.5288, 0.3253

Trichromacy



Original Color

15.6036, 0.5838, 0.3746

Protanomaly

14.6975, 0.4957, 0.4352

Deuteranomaly

15.1279, 0.5175, 0.4273

Tritanomaly

15.5571, 0.5597, 0.3506

Monochromacy



Original Color

15.6036, 0.5838, 0.3746

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1507, 0.4323, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6036, 0.5838, 0.3746 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(194, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 68, 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(194, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 68, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6036, 0.5838, 0.3746 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(194, 68, 0) }
```

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

```
.border{ border-color:rgb(194, 68, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 68, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6036, 0.5838, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 68, 0) }
```

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

```
.background{ background-color: rgb(194, 68,  
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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