

Converting Colors

$Y_{xy}(15.0327, 0.6100, 0.3746)$

Have a look what the booklet for
Yxy(15.0327, 0.6100, 0.3746)
contains.

Yxy(15.1020, 0.5958, 0.3651)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.1020, 0.5958, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	C53C00
RGB	197, 60, 0
RGB Percent	77%, 24%, 0%
CMY	0.2274, 0.7647, 0.9998
CMYK	0.00, 0.70, 1.00, 0.23
HSL	18°, 100%, 39%
HSV	18°, 100%, 77%
XYZ	24.6447, 15.1020, 1.6173
YIQ	94.1230, 100.9120, 10.3840

Conversions

Conversions Part 2

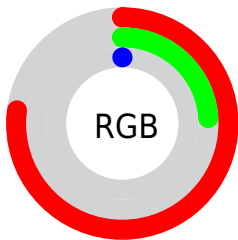
Format	Color
RYB	197, 86, 0
Decimal	12925952
CIELab	45.77, 52.57, 57.34
CIELCh	46, 77.792, 47.487
Yxy	15.1020, 0.5958, 0.3651
Android (android.graphics.Color)	4291116032 (0xFFC53C00)
YUV	94.1230, -46.4026, 90.2231
Hunter-Lab	38.8613, 45.1921, 24.7354

Details

The Yxy color **15.1020, 0.5958, 0.3651** 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 **21.9432, 0.1962, 0.2261**, and the grayscale version is **11.3188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8169, 0.5358, 0.3766**, and **5.0683, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.0994, 0.5958, 0.3651**, and if you desaturate by 10%, it is **16.7788, 0.5697, 0.3737**.

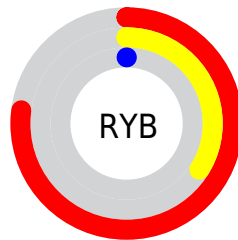
Distribution



Red (77%)

Green (24%)

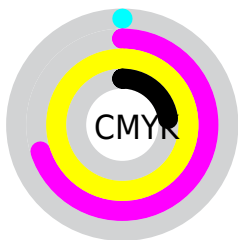
Blue (0%)



Red (77%)

Yellow (34%)

Blue (0%)

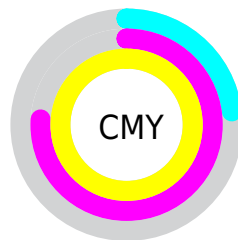


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1020, 0.5958, 0.3651 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 15.1020, 0.5958, 0.3651 by changing the saturation by 10% instead.


 15.1020, 0.5958,
0.3651


 15.1020, 0.5958,
0.3651


 223.9828, 0.4411,
0.3681

 8.8910, 0.6342,
0.3537


 35.0320, 0.5403,
0.3746


 4.6702, 0.6721,
0.3279

 49.5198, 0.5187,
0.3753

 2.0551, 0.7158,
0.2842

 67.5354, 0.5005,
0.3750

 0.6392, 0.7888,
0.2112

 89.4630, 0.4849,
0.3739

 0.0000, 1.0000,
0.0000


 115.6872, 0.4716,
0.3726


 0.0000, 0.0000,
0.0000


 146.5923, 0.4600,

0.3711


 182.5627, 0.4500,
0.3696


 15.1020, 0.5958,
0.3651


 15.1020, 0.5958,
0.3651


 15.0994, 0.5958,
0.3651

 16.7788, 0.5697,
0.3737

 18.9032, 0.5375,
0.3785

 21.5176, 0.5014,
0.3787

 24.6532, 0.4648,
0.3752

 28.3383, 0.4303,
0.3690

■ 32.5988, 0.3992,
0.3613

■ 37.4589, 0.3721,
0.3530

■ 42.9416, 0.3489,
0.3446

■ 49.0682, 0.3293,
0.3366

Harmonies

Analogous

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



15.1020, 0.5669, 0.2853



15.1020, 0.5958, 0.3651



15.1020, 0.5299, 0.4637

Triad

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



15.1020, 0.5958, 0.3651



15.1020, 0.1739, 0.5009



15.1020, 0.1622, 0.1326

Complementary

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



15.1020, 0.5958, 0.3651



21.9432, 0.1962, 0.2261

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.



15.1020, 0.1077, 0.1378



15.1020, 0.5958, 0.3651



15.1020, 0.1071, 0.3002

Square

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



15.1020, 0.5958, 0.3651



15.1020, 0.2869, 0.6248



15.1020, 0.0901, 0.1833



15.1020, 0.2694, 0.1579

Rectangle

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



15.1020, 0.5958, 0.3651



15.1020, 0.4562, 0.5393



15.1020, 0.0901, 0.1833



15.1020, 0.1391, 0.1308

Sweetspot

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



15.1029, 0.5958, 0.3651



66.6331, 0.3733, 0.3534



13.7059, 0.4151, 0.2060



13.4409, 0.3845, 0.3570



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.



15.1029, 0.5958, 0.3651



26.6529, 0.5984, 0.3630



36.1964, 0.4599, 0.4730



11.1546, 0.3282, 0.3361



10.0605, 0.5935, 0.3670



0.6059, 0.5516, 0.4002

Inverse Universe

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



21.9432, 0.1962, 0.2261



38.8204, 0.1957, 0.2244



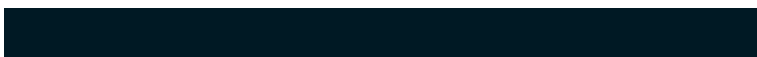
5.5122, 0.1553, 0.0791



11.5016, 0.2984, 0.3218



14.5810, 0.1966, 0.2276



0.8138, 0.2031, 0.2512

Previews

White Background



This preview shows how the Yxy color 15.1020, 0.5958, 0.3651 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 15.1020, 0.5958, 0.3651 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 15.1020, 0.5958, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 15.1020, 0.5958, 0.3651.



This preview shows how white text looks on a background with the Yxy color 15.1020, 0.5958, 0.3651.

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

15.1020, 0.5958, 0.3651

Protanopia

15.4170, 0.4304, 0.4780

Deuteranopia

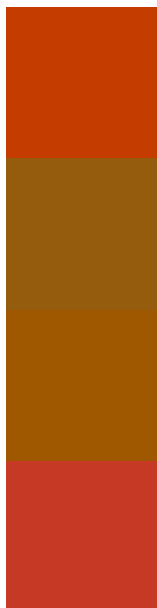
15.3039, 0.4694, 0.4655



Tritanopia

15.1396, 0.5514, 0.3278

Trichromacy



Original Color

15.1020, 0.5958, 0.3651

Protanomaly

14.1674, 0.5010, 0.4307

Deuteranomaly

14.3504, 0.5236, 0.4224

Tritanomaly

15.0656, 0.5769, 0.3464

Monochromacy



Original Color

15.1020, 0.5958, 0.3651

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.1861, 0.4380, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1020, 0.5958, 0.3651 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(197, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 60, 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(197, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 60, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.1020, 0.5958, 0.3651 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(197, 60, 0) }
```

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

```
.border{ border-color:rgb(197, 60, 0) }
```

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

Here you see how a box with a 4 pixel rgb(197, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 60, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.1020, 0.5958, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 60, 0) }
```

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

```
.background{ background-color: rgb(197, 60,  
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