

Converting Colors

$Y_{xy}(15.4187, 0.5900, 0.3658)$

Have a look what the booklet for
Yxy(15.4187, 0.5900, 0.3658)
contains.

Yxy(15.4407, 0.5893, 0.3663)	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(15.4407, 0.5893, 0.3663)

Conversions

Conversions Part 1

Format	Color
Hex	C53F07
RGB	197, 63, 7
RGB Percent	77%, 25%, 3%
CMY	0.2275, 0.7529, 0.9726
CMYK	0.00, 0.68, 0.96, 0.23
HSL	18°, 93%, 40%
HSV	18°, 96%, 77%
XYZ	24.8409, 15.4407, 1.8716
YIQ	96.6820, 97.8400, 10.9920

Conversions

Conversions Part 2

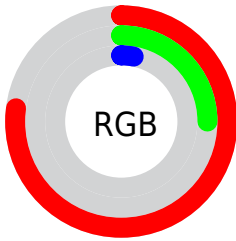
Format	Color
R_{YB}	197, 86, 7
Decimal	12926727
CIE Lab	46.23, 51.44, 55.68
CIE LCh	46, 75.803, 47.269
Yxy	15.4407, 0.5893, 0.3663
Android (android.graphics.Color)	4291116807 (0xFFC53F07)
YUV	96.6820, -44.2132, 87.9789
Hunter-Lab	39.2947, 44.0765, 24.6823

Details

The Yxy color **15.4407, 0.5893, 0.3663** 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 **23.1153, 0.1987, 0.2334**, and the grayscale version is **11.9657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3304, 0.5301, 0.3755**, and **5.0683, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.9048, 0.5981, 0.3633**, and if you desaturate by 10%, it is **17.2419, 0.5612, 0.3741**.

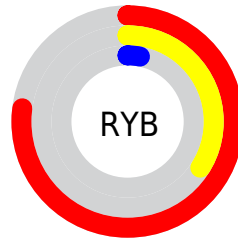
Distribution



Red (77%)

Green (25%)

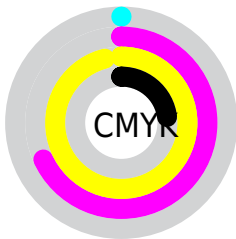
Blue (3%)



Red (77%)

Yellow (34%)

Blue (3%)

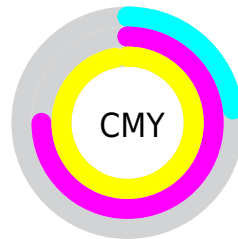


Cyan (0%)

Magenta (68%)

Yellow (96%)

Black (23%)



Cyan (23%)

Magenta (75%)

Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4407, 0.5893, 0.3663 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 15.4407, 0.5893, 0.3663 by changing the saturation by 10% instead.


 15.4407, 0.5893,
0.3663


 15.4407, 0.5893,
0.3663

 226.0184, 0.4375,
0.3670


 9.1293, 0.6262,
0.3554


 35.6245, 0.5343,
0.3744


 4.8256, 0.6673,
0.3327

 50.2656, 0.5132,
0.3748


 2.1453, 0.7097,
0.2903

 68.4520, 0.4953,
0.3742

 0.6899, 0.7788,
0.2212

 90.5682, 0.4802,
0.3731


 0.0000, 1.0000,
0.0000


 116.9986, 0.4671,
0.3717


 0.0000, 0.0000,
0.0000


 148.1275, 0.4559,


0.3701


 184.3393, 0.4461,
0.3686


 15.4407, 0.5893,
0.3663


 15.4407, 0.5893,
0.3663


 14.9048, 0.5981,
0.3633

 17.2419, 0.5612,
0.3741

 19.5173, 0.5268,
0.3774

 22.3034, 0.4897,
0.3763

 25.6312, 0.4532,
0.3718

 29.5291, 0.4195,
0.3652

■ 34.0233, 0.3895,
0.3575

■ 39.1381, 0.3637,
0.3494

■ 44.8968, 0.3417,
0.3413

■ 51.3211, 0.3231,
0.3337

Harmonies

Analogous

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



15.4407, 0.5587, 0.2871



15.4407, 0.5893, 0.3663



15.4407, 0.5261, 0.4618

Triad

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



15.4407, 0.5893, 0.3663



15.4407, 0.1791, 0.4959



15.4407, 0.1653, 0.1365

Complementary

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



15.4407, 0.5893, 0.3663



23.1153, 0.1987, 0.2334

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.



15.4407, 0.1115, 0.1422



15.4407, 0.5893, 0.3663



15.4407, 0.1122, 0.3033

Square

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



15.4407, 0.5893, 0.3663



15.4407, 0.2908, 0.6148



15.4407, 0.0944, 0.1881



15.4407, 0.2700, 0.1613

Rectangle

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



15.4407, 0.5893, 0.3663



15.4407, 0.4551, 0.5340



15.4407, 0.0944, 0.1881



15.4407, 0.1425, 0.1349

Sweetspot

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



15.4416, 0.5893, 0.3663



67.2424, 0.3710, 0.3518



14.0092, 0.4047, 0.2020



13.5451, 0.3822, 0.3553



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.



15.4416, 0.5893, 0.3663



26.3186, 0.6007, 0.3612



35.6034, 0.4610, 0.4700



11.1382, 0.3282, 0.3359



9.9318, 0.5958, 0.3651



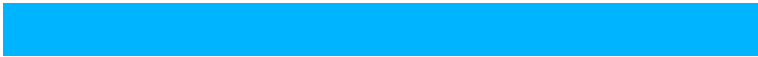
0.5983, 0.5538, 0.3985

Inverse Universe

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



23.1153, 0.1987, 0.2334



39.7839, 0.1966, 0.2279



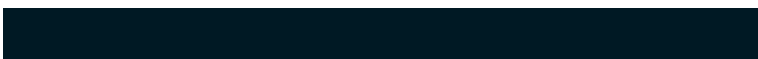
6.2026, 0.1585, 0.0875



11.5189, 0.2984, 0.3220



14.9302, 0.1975, 0.2309



0.8282, 0.2038, 0.2538

Previews

White Background



This preview shows how the Yxy color 15.4407, 0.5893, 0.3663 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 15.4407, 0.5893, 0.3663 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 15.4407, 0.5893, 0.3663

Background



This preview shows how black text looks on a background with the Yxy color 15.4407, 0.5893, 0.3663.



This preview shows how white text looks on a background with the Yxy color 15.4407, 0.5893, 0.3663.

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

15.4407, 0.5893, 0.3663

Protanopia

15.7119, 0.4298, 0.4776

Deuteranopia

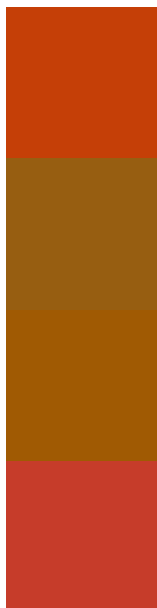
15.5921, 0.4690, 0.4658



Tritanopia

15.4815, 0.5427, 0.3267

Trichromacy



Original Color

15.4407, 0.5893, 0.3663

Protanomaly

14.6252, 0.4967, 0.4307

Deuteranomaly

14.7925, 0.5199, 0.4233

Tritanomaly

15.4047, 0.5683, 0.3457

Monochromacy



Original Color

15.4407, 0.5893, 0.3663

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8537, 0.4312, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4407, 0.5893, 0.3663 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, 63, 7)` looks like.

```
.text, #text, p{  
    color:rgb(197, 63, 7)  
}
```

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, 63, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 63, 7) }
```

Border

The CSS property to change the border of an element to Yxy 15.4407, 0.5893, 0.3663 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, 63, 7) }
```

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

```
.border{ border-color:rgb(197, 63, 7) }
```

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

Here you see how a box with a 4 pixel rgb(197, 63, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 63, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 63, 7);  
box-shadow:4px 4px 4px 4px rgb(197, 63, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4407, 0.5893, 0.3663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 63, 7) }
```

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

```
.background{ background-color: rgb(197, 63,  
7) }
```

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