

Converting Colors

$Y_{xy}(15.6478, 0.5727, 0.3694)$

Have a look what the booklet for
Yxy(15.6478, 0.5727, 0.3694)
contains.

Yxy(15.6478, 0.5727, 0.3694)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6478, 0.5727, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	C14515
RGB	193, 69, 21
RGB Percent	76%, 27%, 8%
CMY	0.2431, 0.7295, 0.9175
CMYK	0.00, 0.64, 0.89, 0.24
HSL	17°, 80%, 42%
HSV	17°, 89%, 76%
XYZ	24.2596, 15.6478, 2.4526
YIQ	100.6040, 89.3120, 11.3600

Conversions

Conversions Part 2

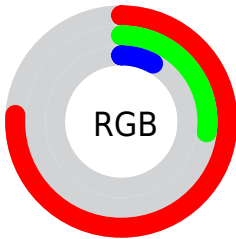
Format	Color
R_{YB}	193, 88, 21
Decimal	12666133
CIE _{Lab}	46.51, 47.73, 51.29
CIE _{LCh}	47, 70.063, 47.060
Yxy	15.6478, 0.5727, 0.3694
Android (android.graphics.Color)	4290856213 (0xFFC14515)
YUV	100.6040, -39.2448, 81.0313
Hunter-Lab	39.5573, 40.2447, 24.0140

Details

The Yxy color **15.6478, 0.5727, 0.3694** 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 **24.2812, 0.2039, 0.2466**, and the grayscale version is **12.9922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6340, 0.5182, 0.3743**, and **4.9338, 0.6359, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **14.0824, 0.5995, 0.3611**, and if you desaturate by 10%, it is **17.6676, 0.5391, 0.3740**.

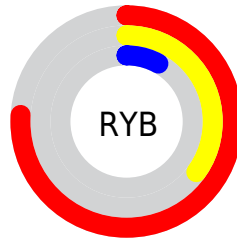
Distribution



Red (76%)

Green (27%)

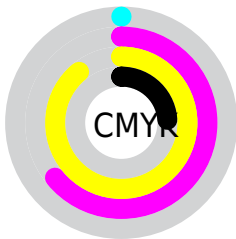
Blue (8%)



Red (76%)

Yellow (35%)

Blue (8%)

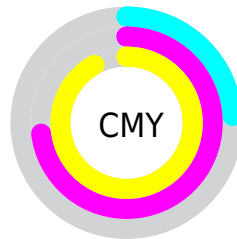


Cyan (0%)

Magenta (64%)

Yellow (89%)

Black (24%)



Cyan (24%)


Magenta (73%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6478, 0.5727, 0.3694 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 15.6478, 0.5727, 0.3694 by changing the saturation by 10% instead.


 15.6478, 0.5727,
0.3694


 15.6478, 0.5727,
0.3694

 227.2544, 0.4279,
0.3649


 9.2753, 0.6080,
0.3603


 35.9857, 0.5191,
0.3743


 4.9212, 0.6556,
0.3444

 50.7198, 0.4989,
0.3739

 2.2011, 0.6961,
0.3039

 69.0100, 0.4820,
0.3728

 0.7206, 0.7619,
0.2381

 91.2405, 0.4677,
0.3713

 0.0000, 1.0000,
0.0000


 117.7958, 0.4556,
0.3697


 0.0000, 0.0000,
0.0000


 149.0603, 0.4451,

0.3680


 185.4184, 0.4359,
0.3664


 15.6478, 0.5727,
0.3694


 15.6478, 0.5727,
0.3694


 14.0824, 0.5995,
0.3611


 17.6676, 0.5391,
0.3740

 13.9614, 0.6017,
0.3604

 20.1796, 0.5017,
0.3741

 23.2171, 0.4642,
0.3708

 26.8091, 0.4290,
0.3650

 30.9826, 0.3976,
0.3579

■ 35.7627, 0.3704,
0.3503

■ 41.1727, 0.3472,
0.3426

■ 47.2351, 0.3277,
0.3353

■ 53.9708, 0.3114,
0.3284

Harmonies

Analogous

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



15.6478, 0.5398, 0.2918



15.6478, 0.5727, 0.3694



15.6478, 0.5168, 0.4588

Triad

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



15.6478, 0.5727, 0.3694



15.6478, 0.1906, 0.4820



15.6478, 0.1736, 0.1465

Complementary

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



15.6478, 0.5727, 0.3694



24.2812, 0.2039, 0.2466

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.



15.6478, 0.1214, 0.1529



15.6478, 0.5727, 0.3694



15.6478, 0.1244, 0.3085

Square

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



15.6478, 0.5727, 0.3694



15.6478, 0.2980, 0.5908



15.6478, 0.1053, 0.1988



15.6478, 0.2729, 0.1702

Rectangle

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



15.6478, 0.5727, 0.3694



15.6478, 0.4515, 0.5236



15.6478, 0.1053, 0.1988



15.6478, 0.1515, 0.1451

Sweetspot

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



15.6487, 0.5727, 0.3694



65.5860, 0.3662, 0.3490



13.9888, 0.3910, 0.1986



13.3982, 0.3748, 0.3517



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



15.6487, 0.5727, 0.3694



24.6458, 0.6043, 0.3584



34.1400, 0.4578, 0.4665



10.5249, 0.3282, 0.3355



9.4018, 0.5994, 0.3622



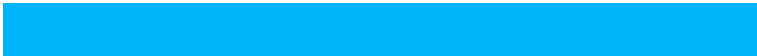
0.5265, 0.5540, 0.3983

Inverse Universe

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



24.2812, 0.2039, 0.2466



39.6277, 0.1983, 0.2338



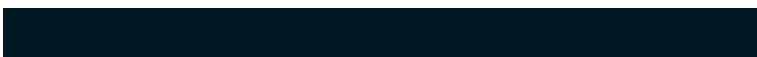
7.3657, 0.1653, 0.1048



10.9383, 0.2984, 0.3224



15.0186, 0.1991, 0.2367



0.7601, 0.2055, 0.2597

Previews

White Background



This preview shows how the Yxy color 15.6478, 0.5727, 0.3694 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 15.6478, 0.5727, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

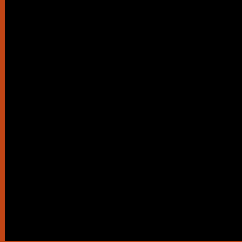
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6478, 0.5727, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 15.6478, 0.5727, 0.3694.



This preview shows how white text looks on a background with the Yxy color 15.6478, 0.5727, 0.3694.

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

15.6478, 0.5727, 0.3694

Protanopia

15.7582, 0.4234, 0.4680

Deuteranopia

15.6786, 0.4703, 0.4648



Tritanopia

15.6673, 0.5245, 0.3263

Trichromacy



Original Color

15.6478, 0.5727, 0.3694

Protanomaly

14.8391, 0.4837, 0.4276

Deuteranomaly

15.0428, 0.5134, 0.4251

Tritanomaly

15.6048, 0.5481, 0.3450

Monochromacy



Original Color

15.6478, 0.5727, 0.3694

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6810, 0.4156, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6478, 0.5727, 0.3694 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(193, 69, 21)` looks like.

```
.text, #text, p{  
    color:rgb(193, 69, 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(193, 69, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 69, 21) }
```

Border

The CSS property to change the border of an element to Yxy 15.6478, 0.5727, 0.3694 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(193, 69, 21) }
```

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

```
.border{ border-color:rgb(193, 69, 21) }
```

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

Here you see how a box with a 4 pixel rgb(193, 69, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 69, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 69, 21);  
box-shadow:4px 4px 4px 4px rgb(193, 69,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6478, 0.5727, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 69, 21) }
```

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

```
.background{ background-color: rgb(193, 69,  
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](#).

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