

Converting Colors

$Y_{xy}(14.9665, 0.6013, 0.3608)$

Have a look what the booklet for
Yxy(14.9665, 0.6013, 0.3608)
contains.

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Color

Yxy(14.9705, 0.6015, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	C73800
RGB	199, 56, 0
RGB Percent	78%, 22%, 0%
CMY	0.2195, 0.7805, 1.0000
CMYK	0.00, 0.72, 1.00, 0.22
HSL	17°, 100%, 39%
HSV	17°, 100%, 78%
XYZ	24.9716, 14.9705, 1.5734
YIQ	92.3730, 103.2040, 12.9000

Conversions

Conversions Part 2

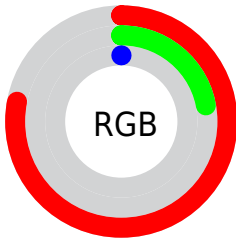
Format	Color
R_{YB}	199, 78, 0
Decimal	13056000
CIE Lab	45.59, 54.75, 57.48
CIE LCh	46, 79.381, 46.396
Yxy	14.9705, 0.6015, 0.3606
Android (android.graphics.Color)	4291246080 (0xFFC73800)
YUV	92.3730, -45.5399, 93.5119
Hunter-Lab	38.6917, 47.4931, 24.6731

Details

The Yxy color **14.9705, 0.6015, 0.3606** 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 **23.7821, 0.1984, 0.2343**, and the grayscale version is **10.8812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1437, 0.5388, 0.3738**, and **5.2342, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.9713, 0.6015, 0.3606**, and if you desaturate by 10%, it is **16.6111, 0.5754, 0.3691**.

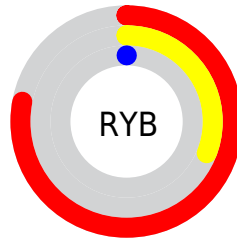
Distribution



Red (78%)

Green (22%)

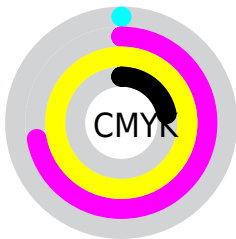
Blue (0%)



Red (78%)

Yellow (31%)

Blue (0%)

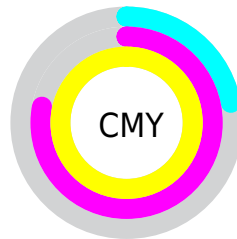


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (78%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9705, 0.6015, 0.3606 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 14.9705, 0.6015, 0.3606 by changing the saturation by 10% instead.


 14.9705, 0.6015,
0.3606


 14.9705, 0.6015,
0.3606


 223.1876, 0.4437,
0.3667


 8.7987, 0.6408,
0.3484


 34.8014, 0.5449,
0.3714


 4.6101, 0.6789,
0.3211

 49.2293, 0.5229,
0.3727


 2.0204, 0.7237,
0.2763

 67.1780, 0.5043,
0.3726

 0.6193, 0.7986,
0.2014

 89.0319, 0.4885,
0.3719


 0.0000, 1.0000,
0.0000


 115.1755, 0.4748,
0.3708


 0.0000, 0.0000,
0.0000


 145.9930, 0.4630,


0.3695

 181.8689, 0.4527,
0.3681


 14.9705, 0.6015,
0.3606


 14.9705, 0.6015,
0.3606


 14.9713, 0.6015,
0.3606

 16.6111, 0.5754,
0.3691

 18.7293, 0.5425,
0.3742

 21.3715, 0.5053,
0.3747

 24.5727, 0.4676,
0.3716

 28.3642, 0.4321,
0.3660

■ 32.7750, 0.4003,
0.3589

■ 37.8320, 0.3727,
0.3512

■ 43.5606, 0.3492,
0.3435

■ 49.9845, 0.3294,
0.3360

Harmonies

Analogous

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



14.9705, 0.5689, 0.2809



14.9705, 0.6015, 0.3606



14.9705, 0.5365, 0.4604

Triad

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



14.9705, 0.6015, 0.3606



14.9705, 0.1741, 0.5131



14.9705, 0.1569, 0.1295

Complementary

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



14.9705, 0.6015, 0.3606



23.7821, 0.1984, 0.2343

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.



14.9705, 0.1037, 0.1357



14.9705, 0.6015, 0.3606



14.9705, 0.1052, 0.3050

Square

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



14.9705, 0.6015, 0.3606



14.9705, 0.2891, 0.6325



14.9705, 0.0870, 0.1831



14.9705, 0.2632, 0.1538

Rectangle

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



14.9705, 0.6015, 0.3606



14.9705, 0.4620, 0.5380



14.9705, 0.0870, 0.1831



14.9705, 0.1342, 0.1280

Sweetspot

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



14.9714, 0.6015, 0.3606



65.8111, 0.3739, 0.3516



14.2187, 0.4028, 0.1992



13.2501, 0.3852, 0.3549



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.



14.9714, 0.6015, 0.3606



25.8592, 0.6039, 0.3587



34.7911, 0.4679, 0.4667



11.1146, 0.3283, 0.3356



9.7541, 0.5991, 0.3625



0.5877, 0.5568, 0.3961

Inverse Universe

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



23.7821, 0.1984, 0.2343



41.2007, 0.1980, 0.2328



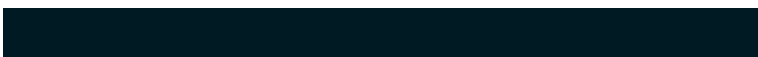
6.1130, 0.1569, 0.0848



11.5438, 0.2984, 0.3224



15.4432, 0.1988, 0.2358



0.8493, 0.2049, 0.2575

Previews

White Background



This preview shows how the Yxy color 14.9705, 0.6015, 0.3606 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 14.9705, 0.6015, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

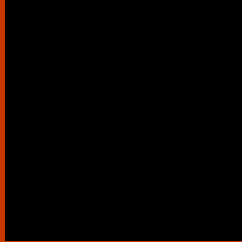
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9705, 0.6015, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 14.9705, 0.6015, 0.3606.



This preview shows how white text looks on a background with the Yxy color 14.9705, 0.6015, 0.3606.

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

14.9705, 0.6015, 0.3606

Protanopia

15.2062, 0.4313, 0.4759

Deuteranopia

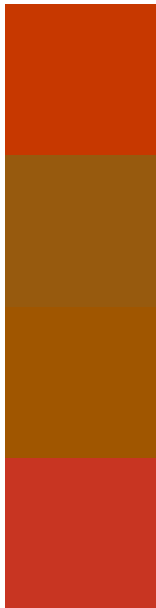
15.0189, 0.4698, 0.4652



Tritanopia

15.0017, 0.5621, 0.3279

Trichromacy



Original Color

14.9705, 0.6015, 0.3606

Protanomaly

13.9233, 0.5052, 0.4264

Deuteranomaly

14.1292, 0.5283, 0.4187

Tritanomaly

14.9411, 0.5851, 0.3444

Monochromacy



Original Color

14.9705, 0.6015, 0.3606

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7330, 0.4433, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9705, 0.6015, 0.3606 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(199, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 56, 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(199, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.9705, 0.6015, 0.3606 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(199, 56, 0) }
```

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

```
.border{ border-color:rgb(199, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 56, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.9705, 0.6015, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 0) }
```

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

```
.background{ background-color: rgb(199, 56,  
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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