

Converting Colors

$Y_{xy}(15.5056, 0.5793, 0.3782)$

Have a look what the booklet for
Yxy(15.5056, 0.5793, 0.3782)
contains.

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Color

$\text{Yxy}(15.4567, 0.5793, 0.3782)$

Conversions

Conversions Part 1

Format	Color
Hex	BF4600
RGB	191, 70, 0
RGB Percent	75%, 27%, 0%
CMY	0.2510, 0.7254, 0.9998
CMYK	0.00, 0.63, 1.00, 0.25
HSL	22°, 100%, 37%
HSV	22°, 100%, 75%
XYZ	23.6755, 15.4567, 1.7369
YIQ	98.1990, 94.5860, 3.8820

Conversions

Conversions Part 2

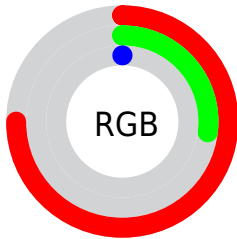
Format	Color
R _Y B	191, 110, 0
Decimal	12535296
CIE Lab	46.25, 46.26, 56.99
CIE LCh	46, 73.402, 50.929
Yxy	15.4567, 0.5793, 0.3782
Android (android.graphics.Color)	4290725376 (0xFFBF4600)
YUV	98.1990, -48.4121, 81.3865
Hunter-Lab	39.3150, 38.6913, 24.9011

Details

The Yxy color **15.4567, 0.5793, 0.3782** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.4446, 0.1900, 0.2041**, and the grayscale version is **12.3743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7314, 0.5271, 0.3837**, and **4.8625, 0.6324, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **15.4536, 0.5794, 0.3782**, and if you desaturate by 10%, it is **17.1749, 0.5542, 0.3864**.

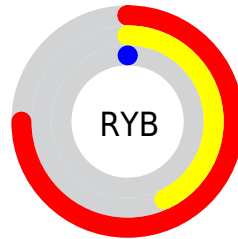
Distribution



Red (75%)

Green (27%)

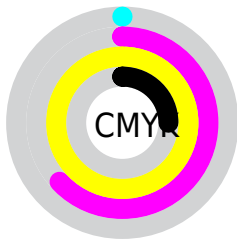
Blue (0%)



Red (75%)

Yellow (43%)

Blue (0%)

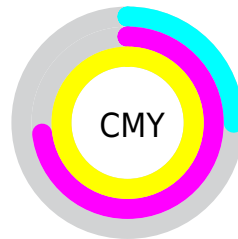


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (73%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4567, 0.5793, 0.3782 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 15.4567, 0.5793, 0.3782 by changing the saturation by 10% instead.


 15.4567, 0.5793,
0.3782

 15.4567, 0.5793,
0.3782


 226.1141, 0.4337,
0.3720


 9.1405, 0.6150,
0.3694


 35.6524, 0.5269,
0.3837


 4.8330, 0.6521,
0.3479

 50.3007, 0.5066,
0.3831


 2.1496, 0.6923,
0.3077

 68.4952, 0.4895,
0.3817

 0.6923, 0.7595,
0.2405

 90.6203, 0.4748,
0.3799


 0.0000, 1.0000,
0.0000


 117.0603, 0.4623,
0.3779

 0.0000, 0.0000,
0.0000


 148.1997, 0.4515,


0.3758

 184.4228, 0.4420,
0.3739


 15.4567, 0.5793,
0.3782


 15.4567, 0.5793,
0.3782


 15.4536, 0.5794,
0.3782

 17.1749, 0.5542,
0.3864

 19.2609, 0.5242,
0.3904

 21.7480, 0.4911,
0.3895

 24.6592, 0.4574,
0.3846

 28.0156, 0.4254,
0.3769

■ 31.8366, 0.3963,
0.3676

■ 36.1402, 0.3706,
0.3576

■ 40.9434, 0.3482,
0.3477

■ 46.2624, 0.3290,
0.3380

Harmonies

Analogous

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



15.4567, 0.5613, 0.2984



15.4567, 0.5793, 0.3782



15.4567, 0.5109, 0.4736

Triad

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



15.4567, 0.5793, 0.3782



15.4567, 0.1725, 0.4667



15.4567, 0.1784, 0.1419

Complementary

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



15.4567, 0.5793, 0.3782



17.4446, 0.1900, 0.2041

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.



15.4567, 0.1198, 0.1438



15.4567, 0.5793, 0.3782



15.4567, 0.1124, 0.2866

Square

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



15.4567, 0.5793, 0.3782



15.4567, 0.2789, 0.6006



15.4567, 0.0989, 0.1836



15.4567, 0.2878, 0.1699

Rectangle

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



15.4567, 0.5793, 0.3782



15.4567, 0.4391, 0.5420



15.4567, 0.0989, 0.1836



15.4567, 0.1538, 0.1391

Sweetspot

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



15.4576, 0.5793, 0.3782



64.3238, 0.3718, 0.3582



12.5362, 0.4342, 0.2166



13.3829, 0.3824, 0.3624



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.



15.4576, 0.5793, 0.3782



27.2566, 0.5821, 0.3760



37.0412, 0.4485, 0.4820



10.0934, 0.3279, 0.3375



10.2980, 0.5769, 0.3801



0.5294, 0.5312, 0.4164

Inverse Universe

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



17.4446, 0.1900, 0.2041



30.7569, 0.1894, 0.2019



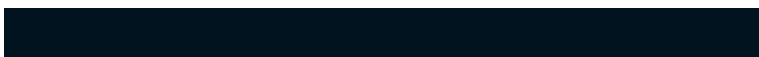
4.6254, 0.1534, 0.0721



10.2057, 0.2985, 0.3204



11.6196, 0.1905, 0.2059



0.5758, 0.1997, 0.2387

Previews

White Background



This preview shows how the Yxy color 15.4567, 0.5793, 0.3782 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 15.4567, 0.5793, 0.3782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

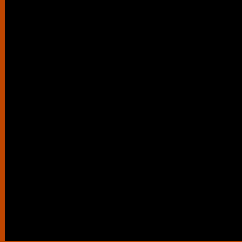
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4567, 0.5793, 0.3782

Background



This preview shows how black text looks on a background with the Yxy color 15.4567, 0.5793, 0.3782.



This preview shows how white text looks on a background with the Yxy color 15.4567, 0.5793, 0.3782.

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

15.4567, 0.5793, 0.3782

Protanopia

15.7010, 0.4314, 0.4799

Deuteranopia

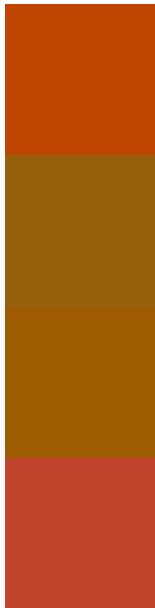
15.5921, 0.4690, 0.4658



Tritanopia

15.4167, 0.5209, 0.3251

Trichromacy



Original Color

15.4567, 0.5793, 0.3782

Protanomaly

14.6882, 0.4919, 0.4389

Deuteranomaly

14.9234, 0.5154, 0.4290

Tritanomaly

15.4026, 0.5540, 0.3526

Monochromacy



Original Color

15.4567, 0.5793, 0.3782

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.2328, 0.4296, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4567, 0.5793, 0.3782 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(191, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 70, 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(191, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 70, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.4567, 0.5793, 0.3782 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(191, 70, 0) }
```

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

```
.border{ border-color:rgb(191, 70, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 70, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 70, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4567, 0.5793, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 70, 0) }
```

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

```
.background{ background-color: rgb(191, 70,  
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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