

Converting Colors

$Y_{xy}(15.3200, 0.5814, 0.3766)$

Have a look what the booklet for
Yxy(15.3200, 0.5814, 0.3766)
contains.

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Color

Yxy(15.3326, 0.5807, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	BF4500
RGB	191, 69, 0
RGB Percent	75%, 27%, 0%
CMY	0.2511, 0.7293, 0.9999
CMYK	0.00, 0.64, 1.00, 0.25
HSL	22°, 100%, 37%
HSV	22°, 100%, 75%
XYZ	23.6108, 15.3326, 1.7158
YIQ	97.6120, 94.8610, 4.4050

Conversions

Conversions Part 2

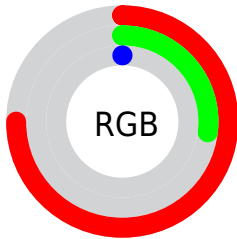
Format	Color
R_{YB}	191, 108, 0
Decimal	12535040
CIE _{Lab}	46.09, 46.70, 56.90
CIE _{LCh}	46, 73.612, 50.626
Yxy	15.3326, 0.5807, 0.3771
Android (android.graphics.Color)	4290725120 (0xFFBF4500)
YUV	97.6120, -48.1227, 81.9013
Hunter-Lab	39.1569, 39.1075, 24.8118

Details

The Yxy color **15.3326, 0.5807, 0.3771** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.6765, 0.1905, 0.2059**, and the grayscale version is **12.2199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4846, 0.5281, 0.3827**, and **4.8191, 0.6341, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **15.3311, 0.5807, 0.3771**, and if you desaturate by 10%, it is **17.0396, 0.5554, 0.3854**.

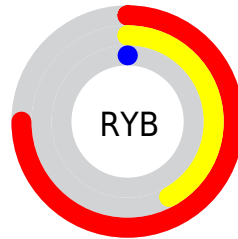
Distribution



Red (75%)

Green (27%)

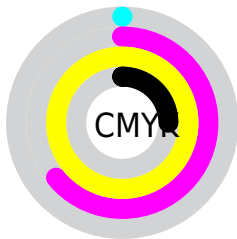
Blue (0%)



Red (75%)

Yellow (42%)

Blue (0%)

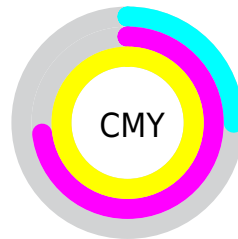


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3326, 0.5807, 0.3771 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 15.3326, 0.5807, 0.3771 by changing the saturation by 10% instead.


 15.3326, 0.5807,
0.3771


 15.3326, 0.5807,
0.3771


 225.3706, 0.4342,
0.3716


 9.0531, 0.6168,
0.3681


 35.4356, 0.5279,
0.3829


 4.7759, 0.6539,
0.3461

 50.0280, 0.5075,
0.3825


 2.1164, 0.6946,
0.3054

 68.1601, 0.4903,
0.3811

 0.6738, 0.7633,
0.2367

 90.2163, 0.4756,
0.3794

 0.0000, 1.0000,
0.0000


 116.5811, 0.4629,
0.3774


 0.0000, 0.0000,
0.0000


 147.6388, 0.4520,


0.3754


 183.7738, 0.4425,
0.3735


 15.3326, 0.5807,
0.3771


 15.3326, 0.5807,
0.3771


 15.3311, 0.5807,
0.3771

 17.0396, 0.5554,
0.3854

 19.1182, 0.5253,
0.3895

 21.6022, 0.4919,
0.3886

 24.5152, 0.4580,
0.3838

 27.8785, 0.4258,
0.3762

■ 31.7118, 0.3966,
0.3671

■ 36.0335, 0.3707,
0.3573

■ 40.8610, 0.3483,
0.3474

■ 46.2106, 0.3291,
0.3379

Harmonies

Analogous

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



15.3326, 0.5618, 0.2973



15.3326, 0.5807, 0.3771



15.3326, 0.5125, 0.4728

Triad

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



15.3326, 0.5807, 0.3771



15.3326, 0.1726, 0.4695



15.3326, 0.1770, 0.1411

Complementary

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



15.3326, 0.5807, 0.3771



17.6765, 0.1905, 0.2059

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.



15.3326, 0.1187, 0.1433



15.3326, 0.5807, 0.3771



15.3326, 0.1119, 0.2877

Square

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



15.3326, 0.5807, 0.3771



15.3326, 0.2796, 0.6028



15.3326, 0.0982, 0.1836



15.3326, 0.2863, 0.1689

Rectangle

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



15.3326, 0.5807, 0.3771



15.3326, 0.4406, 0.5419



15.3326, 0.0982, 0.1836



15.3326, 0.1526, 0.1384

Sweetspot

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



15.3335, 0.5807, 0.3771



64.1494, 0.3719, 0.3578



12.5336, 0.4342, 0.2166



13.3411, 0.3826, 0.3620



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.



15.3335, 0.5807, 0.3771



27.0451, 0.5834, 0.3749



37.0343, 0.4486, 0.4820



10.0855, 0.3280, 0.3373



10.2180, 0.5783, 0.3790



0.5258, 0.5323, 0.4156

Inverse Universe

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



17.6765, 0.1905, 0.2059



31.1824, 0.1900, 0.2038



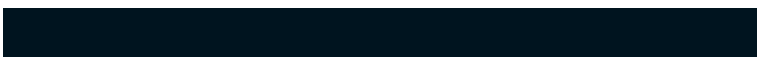
4.6237, 0.1534, 0.0721



10.2138, 0.2985, 0.3205



11.7744, 0.1910, 0.2077



0.5812, 0.2000, 0.2401

Previews

White Background



This preview shows how the Yxy color 15.3326, 0.5807, 0.3771 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 15.3326, 0.5807, 0.3771 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 15.3326, 0.5807, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 15.3326, 0.5807, 0.3771.



This preview shows how white text looks on a background with the Yxy color 15.3326, 0.5807, 0.3771.

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

15.3326, 0.5807, 0.3771

Protanopia

15.4875, 0.4324, 0.4778

Deuteranopia

15.3896, 0.4707, 0.4644



Tritanopia

15.2906, 0.5234, 0.3251

Trichromacy



Original Color

15.3326, 0.5807, 0.3771

Protanomaly

14.5094, 0.4932, 0.4370

Deuteranomaly

14.7513, 0.5172, 0.4276

Tritanomaly

15.2773, 0.5563, 0.3523

Monochromacy



Original Color

15.3326, 0.5807, 0.3771

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.0697, 0.4307, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3326, 0.5807, 0.3771 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, 69, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 69, 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, 69, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 69, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.3326, 0.5807, 0.3771 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, 69, 0) }
```

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

```
.border{ border-color:rgb(191, 69, 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, 69, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 69, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 69, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 69, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.3326, 0.5807, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 69, 0) }
```

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

```
.background{ background-color: rgb(191, 69,  
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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