

Converting Colors

$Y_{xy}(15.5967, 0.5783, 0.3791)$

Have a look what the booklet for
Yxy(15.5967, 0.5783, 0.3791)
contains.

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Color

Yxy(15.5828, 0.5779, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	BF4700
RGB	191, 71, 0
RGB Percent	75%, 28%, 0%
CMY	0.2509, 0.7216, 0.9997
CMYK	0.00, 0.63, 1.00, 0.25
HSL	22°, 100%, 37%
HSV	22°, 100%, 75%
XYZ	23.7419, 15.5828, 1.7584
YIQ	98.7860, 94.3110, 3.3590

Conversions

Conversions Part 2

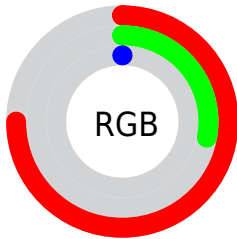
Format	Color
R_{YB}	191, 113, 0
Decimal	12535552
CIE _{Lab}	46.42, 45.83, 57.07
CIE _{LCh}	46, 73.196, 51.234
Yxy	15.5828, 0.5779, 0.3793
Android (android.graphics.Color)	4290725632 (0xFFBF4700)
YUV	98.7860, -48.7015, 80.8717
Hunter-Lab	39.4751, 38.2758, 24.9916

Details

The Yxy color **15.5828, 0.5779, 0.3793** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.2172, 0.1895, 0.2023**, and the grayscale version is **12.5295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9808, 0.5261, 0.3846**, and **4.9301, 0.6299, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **15.5780, 0.5780, 0.3793**, and if you desaturate by 10%, it is **17.3120, 0.5529, 0.3875**.

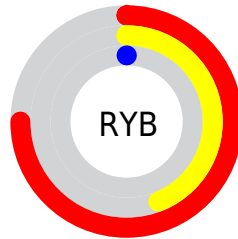
Distribution



Red (75%)

Green (28%)

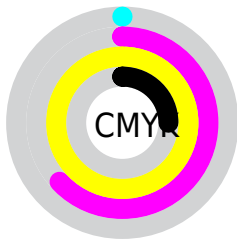
Blue (0%)



Red (75%)

Yellow (44%)

Blue (0%)

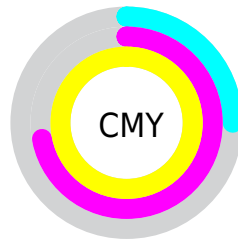


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5828, 0.5779, 0.3793 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 15.5828, 0.5779, 0.3793 by changing the saturation by 10% instead.


 15.5828, 0.5779,
0.3793

 15.5828, 0.5779,
0.3793


 226.8672, 0.4332,
0.3723


 9.2294, 0.6132,
0.3707


 35.8724, 0.5259,
0.3845


 4.8911, 0.6503,
0.3497

 50.5774, 0.5057,
0.3838

 2.1835, 0.6900,
0.3100

 68.8351, 0.4887,
0.3823

 0.7110, 0.7557,
0.2443

 91.0298, 0.4741,
0.3804


 0.0000, 1.0000,
0.0000


 117.5460, 0.4617,
0.3783

 0.0000, 0.0000,
0.0000


 148.7680, 0.4509,


0.3763


 185.0803, 0.4415,
0.3742

 15.5828, 0.5779,
0.3793

 15.5828, 0.5779,
0.3793


 15.5780, 0.5780,
0.3793

 17.3120, 0.5529,
0.3875

 19.4051, 0.5232,
0.3914

 21.8950, 0.4902,
0.3904

 24.8044, 0.4568,
0.3853

 28.1540, 0.4250,
0.3775

■ 31.9626, 0.3961,
0.3681

■ 36.2482, 0.3704,
0.3580

■ 41.0274, 0.3482,
0.3479

■ 46.3162, 0.3290,
0.3382

Harmonies

Analogous

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



15.5828, 0.5608, 0.2995



15.5828, 0.5779, 0.3793



15.5828, 0.5093, 0.4743

Triad

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



15.5828, 0.5779, 0.3793



15.5828, 0.1723, 0.4639



15.5828, 0.1798, 0.1427

Complementary

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



15.5828, 0.5779, 0.3793



17.2172, 0.1895, 0.2023

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.



15.5828, 0.1208, 0.1443



15.5828, 0.5779, 0.3793



15.5828, 0.1128, 0.2855

Square

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



15.5828, 0.5779, 0.3793



15.5828, 0.2782, 0.5985



15.5828, 0.0997, 0.1837



15.5828, 0.2894, 0.1710

Rectangle

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



15.5828, 0.5779, 0.3793



15.5828, 0.4377, 0.5422



15.5828, 0.0997, 0.1837



15.5828, 0.1551, 0.1398

Sweetspot

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



15.5837, 0.5779, 0.3793



64.4975, 0.3717, 0.3585



12.4600, 0.4408, 0.2202



13.4245, 0.3823, 0.3629



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.



15.5837, 0.5779, 0.3793



27.4704, 0.5807, 0.3771



38.1886, 0.4450, 0.4849



10.1013, 0.3279, 0.3376



10.3789, 0.5755, 0.3812



0.5330, 0.5301, 0.4173

Inverse Universe

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



17.2172, 0.1895, 0.2023



30.3384, 0.1889, 0.2001



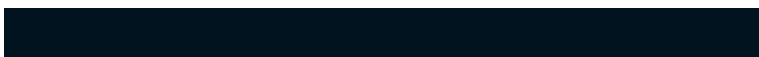
4.4807, 0.1528, 0.0701



10.1976, 0.2985, 0.3203



11.4672, 0.1900, 0.2041



0.5705, 0.1993, 0.2374

Previews

White Background



This preview shows how the Yxy color 15.5828, 0.5779, 0.3793 looks on a white background.

Color Contrast Check

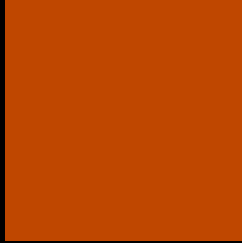
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5828, 0.5779, 0.3793 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 15.5828, 0.5779, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 15.5828, 0.5779, 0.3793.



This preview shows how white text looks on a background with the Yxy color 15.5828, 0.5779, 0.3793.

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

15.5828, 0.5779, 0.3793

Protanopia

15.7759, 0.4328, 0.4789

Deuteranopia

15.6786, 0.4703, 0.4648



Tritanopia

15.6761, 0.5194, 0.3251

Trichromacy



Original Color

15.5828, 0.5779, 0.3793

Protanomaly

14.7818, 0.4932, 0.4380

Deuteranomaly

15.1996, 0.5147, 0.4295

Tritanomaly

15.5302, 0.5517, 0.3529

Monochromacy



Original Color

15.5828, 0.5779, 0.3793

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4092, 0.4270, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5828, 0.5779, 0.3793 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, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 71, 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, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 71, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.5828, 0.5779, 0.3793 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, 71, 0) }
```

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

```
.border{ border-color:rgb(191, 71, 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, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 71, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.5828, 0.5779, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 71, 0) }
```

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

```
.background{ background-color: rgb(191, 71,  
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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