

Converting Colors

$Y_{xy}(16.3433, 0.5696, 0.3859)$

Have a look what the booklet for
Yxy(16.3433, 0.5696, 0.3859)
contains.

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Color

Yxy(16.3841, 0.5691, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	BF4D00
RGB	191, 77, 0
RGB Percent	75%, 30%, 0%
CMY	0.2510, 0.6980, 0.9998
CMYK	0.00, 0.60, 1.00, 0.25
HSL	24°, 100%, 37%
HSV	24°, 100%, 75%
XYZ	24.1372, 16.3841, 1.8916
YIQ	102.3080, 92.6610, 0.2210

Conversions

Conversions Part 2

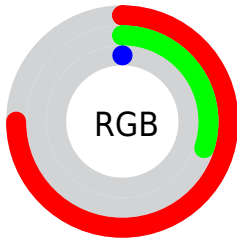
Format	Color
RYB	191, 129, 0
Decimal	12537088
CIELab	47.47, 43.03, 57.64
CIELCh	47, 71.932, 53.255
Yxy	16.3841, 0.5691, 0.3863
Android (android.graphics.Color)	4290727168 (0xFFBF4D00)
YUV	102.3080, -50.4378, 77.7829
Hunter-Lab	40.4773, 35.6069, 25.5633

Details

The Yxy color **16.3841, 0.5691, 0.3863** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.7992, 0.1864, 0.1910**, and the grayscale version is **13.4919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0871, 0.5196, 0.3892**, and **5.2799, 0.6172, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **16.3807, 0.5691, 0.3863**, and if you desaturate by 10%, it is **18.1704, 0.5450, 0.3941**.

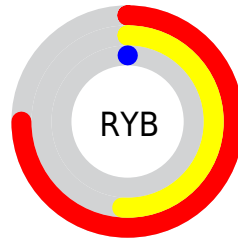
Distribution



Red (75%)

Green (30%)

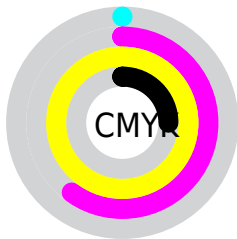
Blue (0%)



Red (75%)

Yellow (51%)

Blue (0%)

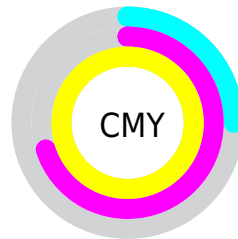


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3841, 0.5691, 0.3863 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 16.3841, 0.5691, 0.3863 by changing the saturation by 10% instead.


 16.3841, 0.5691,
0.3863

 16.3841, 0.5691,
0.3863


 231.5977, 0.4302,
0.3746


 9.7964, 0.6021,
0.3791


 37.2637, 0.5193,
0.3893


 5.2641, 0.6386,
0.3614

 52.3244, 0.5000,
0.3880

 2.4031, 0.6753,
0.3247

 70.9782, 0.4836,
0.3860

 0.8275, 0.7338,
0.2662

 93.6095, 0.4697,
0.3837


 0.0000, 1.0000,
0.0000

 120.6027, 0.4577,
0.3813

 0.0000, 0.0000,
0.0000

 152.3422, 0.4472,


0.3790

 189.2124, 0.4382,
0.3767

 16.3841, 0.5691,
0.3863


 16.3841, 0.5691,
0.3863


 16.3807, 0.5691,
0.3863

 18.1704, 0.5450,
0.3941

 20.2956, 0.5166,
0.3975

 22.7898, 0.4853,
0.3959

 25.6736, 0.4534,
0.3901

 28.9655, 0.4228,
0.3815

■ 32.6823, 0.3948,
0.3713

■ 36.8401, 0.3698,
0.3604

■ 41.4538, 0.3479,
0.3495

■ 46.5378, 0.3289,
0.3389

Harmonies

Analogous

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



16.3841, 0.5578, 0.3066



16.3841, 0.5691, 0.3863



16.3841, 0.4992, 0.4795

Triad

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



16.3841, 0.5691, 0.3863



16.3841, 0.1713, 0.4466



16.3841, 0.1888, 0.1477

Complementary

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



16.3841, 0.5691, 0.3863



15.7992, 0.1864, 0.1910

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.



16.3841, 0.1276, 0.1475



16.3841, 0.5691, 0.3863



16.3841, 0.1155, 0.2785

Square

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



16.3841, 0.5691, 0.3863



16.3841, 0.2732, 0.5846



16.3841, 0.1045, 0.1837



16.3841, 0.2995, 0.1776

Rectangle

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



16.3841, 0.5691, 0.3863



16.3841, 0.4288, 0.5437



16.3841, 0.1045, 0.1837



16.3841, 0.1634, 0.1442

Sweetspot

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



16.3850, 0.5691, 0.3863



65.6002, 0.3709, 0.3610



12.3043, 0.4544, 0.2277



13.6893, 0.3813, 0.3657



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.



16.3850, 0.5691, 0.3863



28.8971, 0.5718, 0.3842



40.5381, 0.4381, 0.4904



10.1507, 0.3279, 0.3383



10.9161, 0.5668, 0.3882



0.5563, 0.5233, 0.4227

Inverse Universe

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



15.7992, 0.1864, 0.1910



27.8033, 0.1857, 0.1886



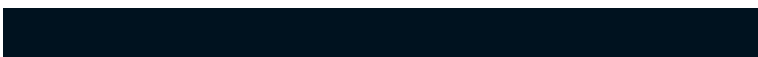
4.2319, 0.1519, 0.0667



10.1466, 0.2984, 0.3195



10.5428, 0.1869, 0.1929



0.5381, 0.1970, 0.2291

Previews

White Background



This preview shows how the Yxy color 16.3841, 0.5691, 0.3863 looks on a white background.

Color Contrast Check

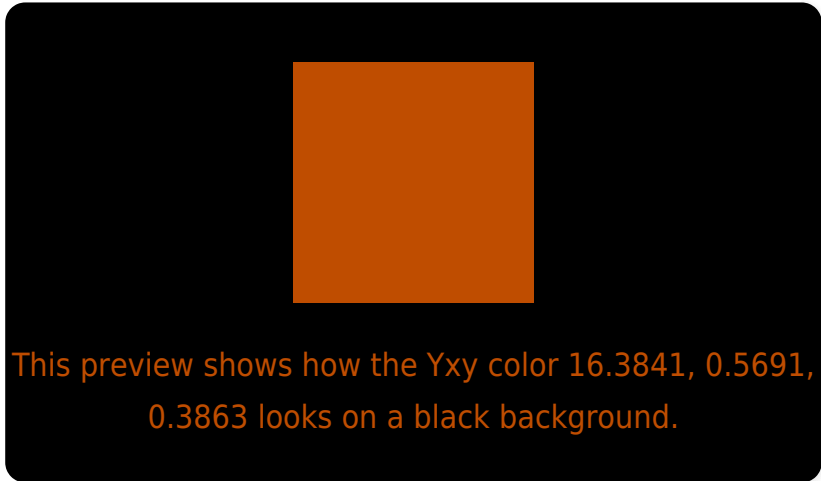
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.3841, 0.5691, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 16.3841, 0.5691, 0.3863.



This preview shows how white text looks on a background with the Yxy color 16.3841, 0.5691, 0.3863.

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

16.3841, 0.5691, 0.3863

Protanopia

16.6708, 0.4327, 0.4797

Deuteranopia

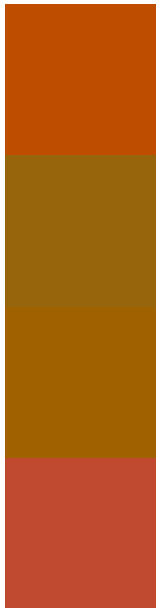
16.5648, 0.4692, 0.4657



Tritanopia

16.4940, 0.5044, 0.3248

Trichromacy



Original Color

16.3841, 0.5691, 0.3863

Protanomaly

15.9132, 0.4871, 0.4433

Deuteranomaly

16.0230, 0.5087, 0.4342

Tritanomaly

16.3174, 0.5412, 0.3572

Monochromacy



Original Color

16.3841, 0.5691, 0.3863

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2787, 0.4228, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3841, 0.5691, 0.3863 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, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 77, 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, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3841, 0.5691, 0.3863 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, 77, 0) }
```

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

```
.border{ border-color:rgb(191, 77, 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, 77, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3841, 0.5691, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 77, 0) }
```

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

```
.background{ background-color: rgb(191, 77,  
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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