

Converting Colors

$Y_{xy}(14.6225, 0.5843, 0.3742)$

Have a look what the booklet for
Yxy(14.6225, 0.5843, 0.3742)
contains.

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Color

Yxy(14.7152, 0.5839, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	BD4200
RGB	189, 66, 0
RGB Percent	74%, 26%, 0%
CMY	0.2588, 0.7412, 1.0000
CMYK	0.00, 0.65, 1.00, 0.26
HSL	21°, 100%, 37%
HSV	21°, 100%, 74%
XYZ	22.9370, 14.7152, 1.6302
YIQ	95.2530, 94.4940, 5.5500

Conversions

Conversions Part 2

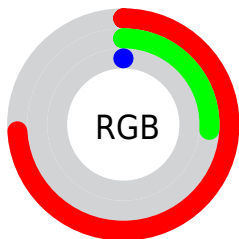
Format	Color
RYB	189, 101, 0
Decimal	12403200
CIELab	45.24, 47.32, 56.30
CIELCh	45, 73.542, 49.950
Yxy	14.7152, 0.5839, 0.3746
Android (android.graphics.Color)	4290593280 (0xFFBD4200)
YUV	95.2530, -46.9597, 82.2161
Hunter-Lab	38.3604, 39.6007, 24.3326

Details

The Yxy color **14.7152, 0.5839, 0.3746** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.8461, 0.1918, 0.2103**, and the grayscale version is **11.6053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3717, 0.5304, 0.3811**, and **4.5337, 0.6392, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **14.7161, 0.5839, 0.3746**, and if you desaturate by 10%, it is **16.3580, 0.5583, 0.3829**.

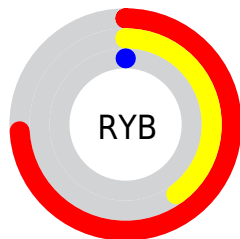
Distribution



Red (74%)

Green (26%)

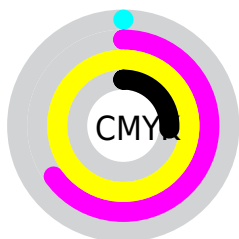
Blue (0%)



Red (74%)

Yellow (40%)

Blue (0%)

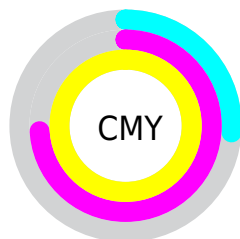


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (74%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7152, 0.5839, 0.3746 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 14.7152, 0.5839, 0.3746 by changing the saturation by 10% instead.


 14.7152, 0.5839,
0.3746


 14.7152, 0.5839,
0.3746


 221.6359, 0.4347,
0.3707

 8.6198, 0.6215,
0.3653


 34.3528, 0.5300,
0.3812


 4.4940, 0.6586,
0.3414

 48.6637, 0.5092,
0.3810

 1.9536, 0.7011,
0.2989

 66.4819, 0.4916,
0.3798

 0.5803, 0.7783,
0.2217

 88.1918, 0.4767,
0.3781


 0.0000, 1.0000,
0.0000


 114.1777, 0.4639,
0.3763


 0.0000, 0.0000,
0.0000


 144.8241, 0.4528,


0.3744

 180.5154, 0.4432,
0.3725


 14.7152, 0.5839,
0.3746

 14.7152, 0.5839,
0.3746


 14.7161, 0.5839,
0.3746

 16.3580, 0.5583,
0.3829

 18.3727, 0.5277,
0.3871

 20.7935, 0.4937,
0.3865

 23.6443, 0.4593,
0.3819

 26.9470, 0.4266,
0.3746

■ 30.7214, 0.3970,
0.3658

■ 34.9865, 0.3710,
0.3563

■ 39.7597, 0.3484,
0.3468

■ 45.0578, 0.3291,
0.3376

Harmonies

Analogous

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



14.7152, 0.5630, 0.2948



14.7152, 0.5839, 0.3746



14.7152, 0.5163, 0.4711

Triad

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



14.7152, 0.5839, 0.3746



14.7152, 0.1729, 0.4759



14.7152, 0.1738, 0.1393

Complementary

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



14.7152, 0.5839, 0.3746



17.8461, 0.1918, 0.2103

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.



14.7152, 0.1163, 0.1421



14.7152, 0.5839, 0.3746



14.7152, 0.1109, 0.2902

Square

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



14.7152, 0.5839, 0.3746



14.7152, 0.2812, 0.6076



14.7152, 0.0964, 0.1835



14.7152, 0.2827, 0.1665

Rectangle

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



14.7152, 0.5839, 0.3746



14.7152, 0.4440, 0.5417



14.7152, 0.0964, 0.1835



14.7152, 0.1497, 0.1367

Sweetspot

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



14.7161, 0.5839, 0.3746



62.2634, 0.3721, 0.3568



12.3272, 0.4276, 0.2129



12.6775, 0.3828, 0.3608



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.7161, 0.5839, 0.3746



25.9477, 0.5866, 0.3724



35.1081, 0.4522, 0.4791



10.0666, 0.3280, 0.3371



10.0306, 0.5816, 0.3764



0.5173, 0.5349, 0.4135

Inverse Universe

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



17.8461, 0.1918, 0.2103



31.4906, 0.1912, 0.2083



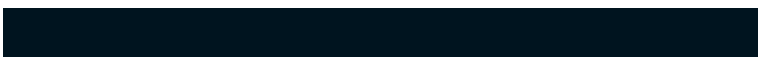
4.6812, 0.1540, 0.0744



10.2335, 0.2985, 0.3208



12.1529, 0.1922, 0.2120



0.5942, 0.2009, 0.2433

Previews

White Background



This preview shows how the Yxy color 14.7152, 0.5839, 0.3746 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 14.7152, 0.5839, 0.3746 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 14.7152, 0.5839, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 14.7152, 0.5839, 0.3746.



This preview shows how white text looks on a background with the Yxy color 14.7152, 0.5839, 0.3746.

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

14.7152, 0.5839, 0.3746

Protanopia

14.9132, 0.4324, 0.4771

Deuteranopia

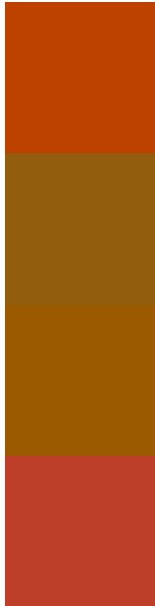
14.7370, 0.4702, 0.4649



Tritanopia

14.6663, 0.5290, 0.3252

Trichromacy



Original Color

14.7152, 0.5839, 0.3746

Protanomaly

13.9688, 0.4942, 0.4358

Deuteranomaly

14.1133, 0.5175, 0.4273

Tritanomaly

14.6623, 0.5605, 0.3510

Monochromacy



Original Color

14.7152, 0.5839, 0.3746

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.3340, 0.4325, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7152, 0.5839, 0.3746 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(189, 66, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 66, 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(189, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 66, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.7152, 0.5839, 0.3746 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(189, 66, 0) }
```

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

```
.border{ border-color:rgb(189, 66, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 66, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 66, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.7152, 0.5839, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 66, 0) }
```

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

```
.background{ background-color: rgb(189, 66,  
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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