

Converting Colors

$Y_{xy}(16.2427, 0.5900, 0.3730)$

Have a look what the booklet for
Yxy(16.2427, 0.5900, 0.3730)
contains.

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Color

Yxy(16.2937, 0.5883, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	C84300
RGB	200, 67, 0
RGB Percent	78%, 26%, 0%
CMY	0.2156, 0.7373, 1.0000
CMYK	0.00, 0.67, 1.00, 0.22
HSL	20°, 100%, 39%
HSV	20°, 100%, 78%
XYZ	25.8302, 16.2937, 1.7826
YIQ	99.1290, 100.7750, 7.3590

Conversions

Conversions Part 2

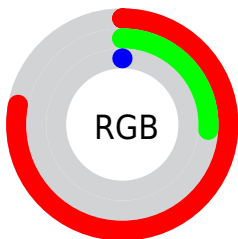
Format	Color
R_{YB}	200, 101, 0
Decimal	13124352
CIE Lab	47.36, 50.77, 58.45
CIE LCh	47, 77.426, 49.021
Yxy	16.2937, 0.5883, 0.3711
Android (android.graphics.Color)	4291314432 (0xFFC84300)
YUV	99.1290, -48.8706, 88.4639
Hunter-Lab	40.3655, 43.5841, 25.6375

Details

The Yxy color **16.2937, 0.5883, 0.3711** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **20.9544, 0.1931, 0.2150**, and the grayscale version is **12.6176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2402, 0.5291, 0.3818**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2947, 0.5883, 0.3711**, and if you desaturate by 10%, it is **18.1124, 0.5627, 0.3797**.

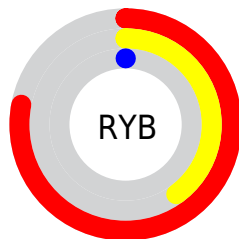
Distribution



Red (78%)

Green (26%)

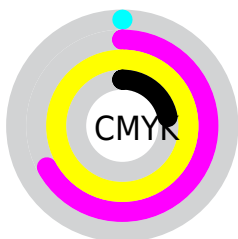
Blue (0%)



Red (78%)

Yellow (40%)

Blue (0%)

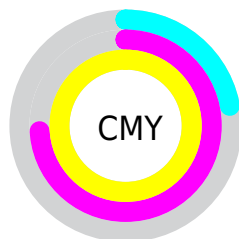


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (74%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2937, 0.5883, 0.3711 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 16.2937, 0.5883, 0.3711 by changing the saturation by 10% instead.


 16.2937, 0.5883,
0.3711


 16.2937, 0.5883,
0.3711


 231.0686, 0.4393,
0.3702


 9.7322, 0.6238,
0.3608


 37.1073, 0.5352,
0.3787


 5.2218, 0.6616,
0.3384

 52.1283, 0.5145,
0.3790


 2.3780, 0.7019,
0.2981

 70.7378, 0.4969,
0.3782

 0.8145, 0.7643,
0.2357

 93.3204, 0.4819,
0.3768

 0.0000, 1.0000,
0.0000


 120.2604, 0.4689,
0.3753

 0.0000, 0.0000,
0.0000


 151.9421, 0.4577,


0.3736

 188.7501, 0.4479,
0.3719


 16.2937, 0.5883,
0.3711

 16.2937, 0.5883,
0.3711


 16.2947, 0.5883,
0.3711

 18.1124, 0.5627,
0.3797

 20.3685, 0.5316,
0.3843

 23.1021, 0.4969,
0.3841

 26.3423, 0.4617,
0.3799

 30.1153, 0.4283,
0.3730

■ 34.4454, 0.3981,
0.3645

■ 39.3551, 0.3716,
0.3554

■ 44.8659, 0.3487,
0.3462

■ 50.9977, 0.3292,
0.3373

Harmonies

Analogous

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



16.2937, 0.5645, 0.2913



16.2937, 0.5883, 0.3711



16.2937, 0.5207, 0.4679

Triad

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



16.2937, 0.5883, 0.3711



16.2937, 0.1733, 0.4850



16.2937, 0.1695, 0.1368

Complementary

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



16.2937, 0.5883, 0.3711



20.9544, 0.1931, 0.2150

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.



16.2937, 0.1131, 0.1406



16.2937, 0.5883, 0.3711



16.2937, 0.1095, 0.2938

Square

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



16.2937, 0.5883, 0.3711



16.2937, 0.2834, 0.6141



16.2937, 0.0941, 0.1834



16.2937, 0.2778, 0.1633

Rectangle

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



16.2937, 0.5883, 0.3711



16.2937, 0.4479, 0.5401



16.2937, 0.0941, 0.1834



16.2937, 0.1457, 0.1345

Sweetspot

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



16.2947, 0.5883, 0.3711



67.7375, 0.3726, 0.3558



13.9849, 0.4281, 0.2132



13.6979, 0.3836, 0.3597



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.2947, 0.5883, 0.3711



27.8204, 0.5907, 0.3691



39.8029, 0.4523, 0.4790



11.2077, 0.3281, 0.3368



10.5076, 0.5857, 0.3731



0.6316, 0.5447, 0.4057

Inverse Universe

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



20.9544, 0.1931, 0.2150



35.8191, 0.1926, 0.2132



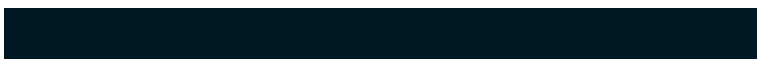
5.2775, 0.1539, 0.0740



11.4459, 0.2984, 0.3211



13.4915, 0.1935, 0.2167



0.7683, 0.2008, 0.2429

Previews

White Background



This preview shows how the Yxy color 16.2937, 0.5883, 0.3711 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 16.2937, 0.5883, 0.3711 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 16.2937, 0.5883, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 16.2937, 0.5883, 0.3711.



This preview shows how white text looks on a background with the Yxy color 16.2937, 0.5883, 0.3711.

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

16.2937, 0.5883, 0.3711

Protanopia

16.3764, 0.4318, 0.4780

Deuteranopia

16.3550, 0.4709, 0.4643



Tritanopia

16.2561, 0.5366, 0.3256

Trichromacy



Original Color

16.2937, 0.5883, 0.3711

Protanomaly

15.2648, 0.4988, 0.4331

Deuteranomaly

15.5468, 0.5218, 0.4239

Tritanomaly

16.2515, 0.5661, 0.3493

Monochromacy



Original Color

16.2937, 0.5883, 0.3711

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4095, 0.4355, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2937, 0.5883, 0.3711 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(200, 67, 0)` looks like.

```
.text, #text, p{  
  color:rgb(200, 67, 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(200, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 67, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2937, 0.5883, 0.3711 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(200, 67, 0) }
```

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

```
.border{ border-color:rgb(200, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(200, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 67, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2937, 0.5883, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 67, 0) }
```

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

```
.background{ background-color: rgb(200, 67,  
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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