

Converting Colors

$Y_{xy}(16.2438, 0.6203, 0.3457)$

Have a look what the booklet for
Yxy(16.2438, 0.6203, 0.3457)
contains.

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Color

Yxy(16.2549, 0.6201, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	D82A00
RGB	216, 42, 0
RGB Percent	85%, 16%, 0%
CMY	0.1529, 0.8353, 0.9998
CMYK	0.00, 0.81, 1.00, 0.15
HSL	12°, 100%, 42%
HSV	12°, 100%, 85%
XYZ	29.1488, 16.2549, 1.6029
YIQ	89.2380, 117.1860, 23.8260

Conversions

Conversions Part 2

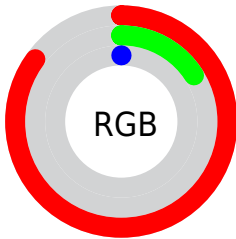
Format	Color
RYB	216, 52, 0
Decimal	14166528
CIELab	47.31, 64.31, 60.13
CIELCh	47, 88.041, 43.079
Yxy	16.2549, 0.6201, 0.3458
Android (android.graphics.Color)	4292356608 (0xFFD82A00)
YUV	89.2380, -43.9943, 111.1703
Hunter-Lab	40.3174, 58.4973, 25.8649

Details

The Yxy color **16.2549, 0.6201, 0.3458** 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 **35.2580, 0.2069, 0.2648**, and the grayscale version is **10.1272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4560, 0.5466, 0.3664**, and **6.5793, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2522, 0.6201, 0.3458**, and if you desaturate by 10%, it is **17.8262, 0.5953, 0.3532**.

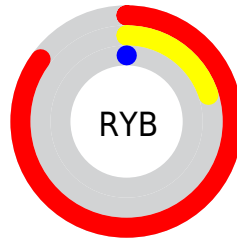
Distribution



Red (85%)

Green (16%)

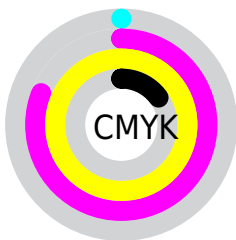
Blue (0%)



Red (85%)

Yellow (20%)

Blue (0%)

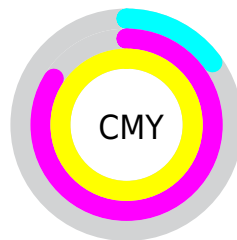


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (84%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2549, 0.6201, 0.3458 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 16.2549, 0.6201, 0.3458 by changing the saturation by 10% instead.


 16.2549, 0.6201,
0.3458


 16.2549, 0.6201,
0.3458


 230.8412, 0.4554,
0.3626


 9.7047, 0.6592,
0.3308


 37.0402, 0.5621,
0.3608


 5.2036, 0.6979,
0.3021

 52.0440, 0.5392,
0.3636


 2.3672, 0.7426,
0.2574

 70.6345, 0.5197,
0.3648

 0.8089, 0.8079,
0.1921

 93.1961, 0.5030,
0.3651


 0.0000, 1.0000,
0.0000


 120.1132, 0.4886,
0.3649


 0.0000, 0.0000,
0.0000


 151.7701, 0.4760,

0.3643

 188.5513, 0.4650,
0.3635


 16.2549, 0.6201,
0.3458


 16.2549, 0.6201,
0.3458


 16.2522, 0.6201,
0.3458

 17.8262, 0.5953,
0.3532

 20.0575, 0.5609,
0.3583

 23.0239, 0.5203,
0.3598

 26.7844, 0.4786,
0.3584

 31.3919, 0.4394,
0.3547

■ 36.8944, 0.4047,
0.3499

■ 43.3364, 0.3751,
0.3445

■ 50.7595, 0.3502,
0.3391

■ 59.2025, 0.3297,
0.3339

Harmonies

Analogous

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



16.2549, 0.5750, 0.2665



16.2549, 0.6201, 0.3458



16.2549, 0.5544, 0.4456

Triad

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



16.2549, 0.6201, 0.3458



16.2549, 0.1743, 0.5550



16.2549, 0.1402, 0.1194

Complementary

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



16.2549, 0.6201, 0.3458



35.2580, 0.2069, 0.2648

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.



16.2549, 0.0911, 0.1288



16.2549, 0.6201, 0.3458



16.2549, 0.0986, 0.3219

Square

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



16.2549, 0.6201, 0.3458



16.2549, 0.2952, 0.6553



16.2549, 0.0774, 0.1823



16.2549, 0.2434, 0.1409

Rectangle

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



16.2549, 0.6201, 0.3458



16.2549, 0.4742, 0.5258



16.2549, 0.0774, 0.1823



16.2549, 0.1190, 0.1189

Sweetspot

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



16.2559, 0.6201, 0.3458



62.7921, 0.3759, 0.3447



17.7524, 0.3741, 0.1835



12.5529, 0.3880, 0.3470



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.



16.2559, 0.6201, 0.3458



23.5004, 0.6214, 0.3448



35.6622, 0.4896, 0.4494



12.8073, 0.3286, 0.3336



9.7388, 0.6179, 0.3476



0.7039, 0.5851, 0.3736

Inverse Universe

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



35.2580, 0.2069, 0.2648



51.1123, 0.2067, 0.2642



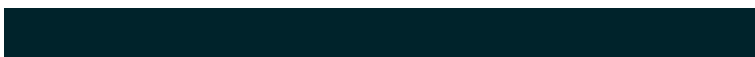
9.1468, 0.1617, 0.1021



13.6789, 0.2983, 0.3244



21.0173, 0.2072, 0.2659



1.3750, 0.2106, 0.2780

Previews

White Background



This preview shows how the Yxy color 16.2549, 0.6201, 0.3458 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 16.2549, 0.6201, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

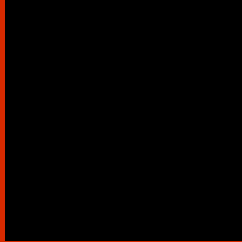
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.2549, 0.6201, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 16.2549, 0.6201, 0.3458.



This preview shows how white text looks on a background with the Yxy color 16.2549, 0.6201, 0.3458.

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

16.2549, 0.6201, 0.3458

Protanopia

16.3969, 0.4290, 0.4739

Deuteranopia

16.3550, 0.4709, 0.4643



Tritanopia

16.2630, 0.5983, 0.3305

Trichromacy



Original Color

16.2549, 0.6201, 0.3458

Protanomaly

14.2278, 0.5181, 0.4139

Deuteranomaly

14.7326, 0.5432, 0.4069

Tritanomaly

16.2550, 0.6094, 0.3383

Monochromacy



Original Color

16.2549, 0.6201, 0.3458

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0810, 0.4617, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2549, 0.6201, 0.3458 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(216, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 42, 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(216, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 42, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2549, 0.6201, 0.3458 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(216, 42, 0) }
```

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

```
.border{ border-color:rgb(216, 42, 0) }
```

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

Here you see how a box with a 4 pixel rgb(216, 42, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 42, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2549, 0.6201, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 42, 0) }
```

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

```
.background{ background-color: rgb(216, 42,  
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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