

Converting Colors

$Y_{xy}(16.7135, 0.6115, 0.3526)$

Have a look what the booklet for
Yxy(16.7135, 0.6115, 0.3526)
contains.

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Color

Yxy(16.6638, 0.6117, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	D63300
RGB	214, 51, 0
RGB Percent	84%, 20%, 0%
CMY	0.1608, 0.8000, 1.0000
CMYK	0.00, 0.76, 1.00, 0.16
HSL	14°, 100%, 42%
HSV	14°, 100%, 84%
XYZ	28.9170, 16.6638, 1.6924
YIQ	93.9230, 113.5190, 18.6950

Conversions

Conversions Part 2

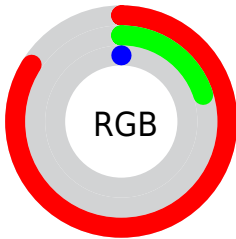
Format	Color
RYB	214, 67, 0
Decimal	14037760
CIELab	47.83, 61.14, 60.15
CIELCh	48, 85.765, 44.530
Yxy	16.6638, 0.6117, 0.3525
Android (android.graphics.Color)	4292227840 (0xFFD63300)
YUV	93.9230, -46.3040, 105.3075
Hunter-Lab	40.8213, 55.0085, 26.1169

Details

The Yxy color **16.6638, 0.6117, 0.3525** 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 **31.0534, 0.2026, 0.2493**, and the grayscale version is **11.2661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7073, 0.5408, 0.3719**, and **6.3896, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.6646, 0.6117, 0.3525**, and if you desaturate by 10%, it is **18.4030, 0.5862, 0.3608**.

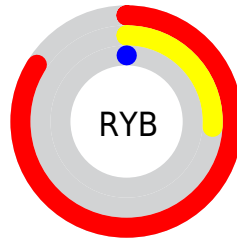
Distribution



Red (84%)

Green (20%)

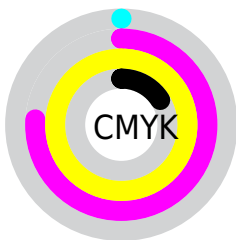
Blue (0%)



Red (84%)

Yellow (26%)

Blue (0%)

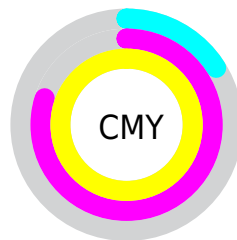


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (80%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6638, 0.6117, 0.3525 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 16.6638, 0.6117, 0.3525 by changing the saturation by 10% instead.


 16.6638, 0.6117,
0.3525


 16.6638, 0.6117,
0.3525


 233.2274, 0.4517,
0.3647


 9.9951, 0.6493,
0.3387


 37.7468, 0.5553,
0.3655


 5.3957, 0.6879,
0.3121

 52.9299, 0.5331,
0.3677

 2.4813, 0.7310,
0.2690

 71.7199, 0.5142,
0.3684

 0.8672, 0.7942,
0.2058

 94.5012, 0.4979,
0.3683


 0.0000, 1.0000,
0.0000


 121.6582, 0.4839,
0.3677


 0.0000, 0.0000,
0.0000


 153.5753, 0.4717,


0.3669

 190.6370, 0.4611,
0.3658

 16.6638, 0.6117,
0.3525


 16.6638, 0.6117,
0.3525


 16.6646, 0.6117,
0.3525

 18.4030, 0.5862,
0.3608

 20.7492, 0.5524,
0.3661

 23.7654, 0.5134,
0.3673

 27.5005, 0.4736,
0.3651

 31.9986, 0.4361,
0.3605

■ 37.2999, 0.4028,
0.3546

■ 43.4417, 0.3741,
0.3480

■ 50.4591, 0.3498,
0.3414

■ 58.3850, 0.3296,
0.3350

Harmonies

Analogous

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



16.6638, 0.5723, 0.2730



16.6638, 0.6117, 0.3525



16.6638, 0.5471, 0.4529

Triad

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



16.6638, 0.6117, 0.3525



16.6638, 0.1743, 0.5357



16.6638, 0.1476, 0.1239

Complementary

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



16.6638, 0.6117, 0.3525



31.0534, 0.2026, 0.2493

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.



16.6638, 0.0967, 0.1320



16.6638, 0.6117, 0.3525



16.6638, 0.1016, 0.3141

Square

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



16.6638, 0.6117, 0.3525



16.6638, 0.2927, 0.6455



16.6638, 0.0817, 0.1827



16.6638, 0.2523, 0.1467

Rectangle

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



16.6638, 0.6117, 0.3525



16.6638, 0.4686, 0.5314



16.6638, 0.0817, 0.1827



16.6638, 0.1257, 0.1230

Sweetspot

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



16.6648, 0.6117, 0.3525



64.3044, 0.3749, 0.3482



16.9802, 0.3912, 0.1929



12.9015, 0.3866, 0.3510



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.



16.6648, 0.6117, 0.3525



24.5726, 0.6132, 0.3513



38.3905, 0.4765, 0.4599



12.8965, 0.3285, 0.3346



10.2072, 0.6093, 0.3544



0.7454, 0.5750, 0.3816

Inverse Universe

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



31.0534, 0.2026, 0.2493



45.9078, 0.2023, 0.2484



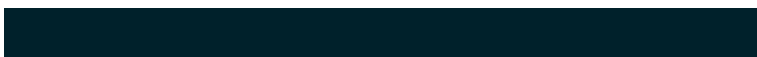
7.7887, 0.1586, 0.0908



13.5829, 0.2982, 0.3233



18.9362, 0.2029, 0.2506



1.2658, 0.2071, 0.2657

Previews

White Background



This preview shows how the Yxy color 16.6638, 0.6117, 0.3525 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 16.6638, 0.6117, 0.3525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

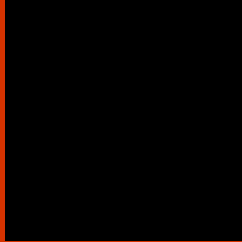
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6638, 0.6117, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 16.6638, 0.6117, 0.3525.



This preview shows how white text looks on a background with the Yxy color 16.6638, 0.6117, 0.3525.

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

16.6638, 0.6117, 0.3525

Protanopia

16.9988, 0.4296, 0.4755

Deuteranopia

16.8666, 0.4688, 0.4660



Tritanopia

16.7744, 0.5823, 0.3298

Trichromacy



Original Color

16.6638, 0.6117, 0.3525

Protanomaly

15.1653, 0.5112, 0.4209

Deuteranomaly

15.4145, 0.5337, 0.4144

Tritanomaly

16.7426, 0.5983, 0.3410

Monochromacy



Original Color

16.6638, 0.6117, 0.3525

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.1783, 0.4539, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6638, 0.6117, 0.3525 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(214, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 51, 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(214, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 51, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.6638, 0.6117, 0.3525 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(214, 51, 0) }
```

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

```
.border{ border-color:rgb(214, 51, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 51, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 51, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.6638, 0.6117, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 51, 0) }
```

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

```
.background{ background-color: rgb(214, 51,  
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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