

Converting Colors

Yxy(16.5694, 0.6229, 0.3436)

Have a look what the booklet for
Yxy(16.5694, 0.6229, 0.3436)
contains.

Yxy(16.5111, 0.6230, 0.3436)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.5111, 0.6230, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	DB2700
RGB	219, 39, 0
RGB Percent	86%, 15%, 0%
CMY	0.1412, 0.8469, 1.0000
CMYK	0.00, 0.82, 1.00, 0.14
HSL	11°, 100%, 43%
HSV	11°, 100%, 86%
XYZ	29.9372, 16.5111, 1.6050
YIQ	88.3740, 119.7990, 26.0310

Conversions

Conversions Part 2

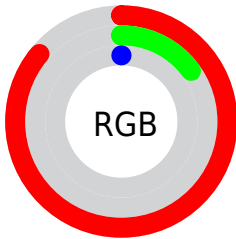
Format	Color
RYB	219, 47, 0
Decimal	14362368
CIELab	47.64, 65.89, 60.68
CIElCh	48, 89.578, 42.643
Yxy	16.5111, 0.6230, 0.3436
Android (android.graphics.Color)	4292552448 (0xFFDB2700)
YUV	88.3740, -43.5684, 114.5590
Hunter-Lab	40.6339, 60.4015, 26.1018

Details

The Yxy color **16.5111, 0.6230, 0.3436** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **37.7405, 0.2084, 0.2703**, and the grayscale version is **9.9268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2559, 0.5476, 0.3655**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.5124, 0.6229, 0.3436**, and if you desaturate by 10%, it is **18.0459, 0.5987, 0.3506**.

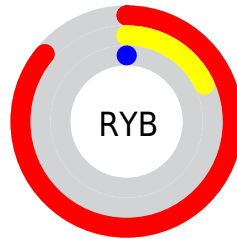
Distribution



Red (86%)

Green (15%)

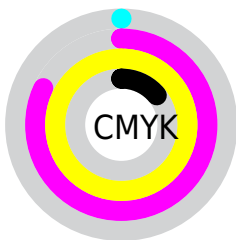
Blue (0%)



Red (86%)

Yellow (18%)

Blue (0%)

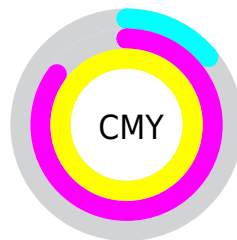


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5111, 0.6230, 0.3436 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 16.5111, 0.6230, 0.3436 by changing the saturation by 10% instead.


 16.5111, 0.6230,
0.3436


 16.5111, 0.6230,
0.3436


 232.3390, 0.4574,
0.3620


 9.8865, 0.6620,
0.3282


 37.4833, 0.5649,
0.3592


 5.3238, 0.7006,
0.2994

 52.5996, 0.5419,
0.3622

 2.4385, 0.7452,
0.2548

 71.3154, 0.5223,
0.3637

 0.8456, 0.8094,
0.1906

 94.0150, 0.5054,
0.3642

 0.0000, 1.0000,
0.0000


 121.0827, 0.4909,
0.3640


 0.0000, 0.0000,
0.0000


 152.9030, 0.4782,


0.3636


 189.8603, 0.4671,
0.3629

 16.5111, 0.6230,
0.3436


 16.5111, 0.6230,
0.3436

 16.5124, 0.6229,
0.3436

 18.0459, 0.5987,
0.3506

 20.2752, 0.5642,
0.3555

 23.2816, 0.5231,
0.3571

 27.1299, 0.4807,
0.3559

 31.8783, 0.4409,
0.3527

■ 37.5792, 0.4056,
0.3482

■ 44.2814, 0.3756,
0.3433

■ 52.0299, 0.3505,
0.3383

■ 60.8672, 0.3298,
0.3335

Harmonies

Analogous

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



16.5111, 0.5762, 0.2644



16.5111, 0.6230, 0.3436



16.5111, 0.5568, 0.4432

Triad

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



16.5111, 0.6230, 0.3436



16.5111, 0.1740, 0.5614



16.5111, 0.1378, 0.1179

Complementary

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



16.5111, 0.6230, 0.3436



37.7405, 0.2084, 0.2703

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.



16.5111, 0.0892, 0.1277



16.5111, 0.6230, 0.3436



16.5111, 0.0975, 0.3243

Square

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



16.5111, 0.6230, 0.3436



16.5111, 0.2957, 0.6586



16.5111, 0.0759, 0.1820



16.5111, 0.2406, 0.1390

Rectangle

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



16.5111, 0.6230, 0.3436



16.5111, 0.4759, 0.5241



16.5111, 0.0759, 0.1820



16.5111, 0.1168, 0.1175

Sweetspot

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



16.5124, 0.6229, 0.3436



62.2533, 0.3763, 0.3434



18.4571, 0.3687, 0.1805



12.4291, 0.3885, 0.3456



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.



16.5124, 0.6229, 0.3436



23.1714, 0.6241, 0.3427



35.6157, 0.4942, 0.4458



13.4249, 0.3287, 0.3332



9.9050, 0.6208, 0.3453



0.7561, 0.5910, 0.3690

Inverse Universe

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



37.7405, 0.2084, 0.2703



53.0903, 0.2083, 0.2698



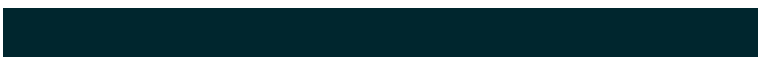
9.8790, 0.1628, 0.1060



14.4141, 0.2982, 0.3247



22.5256, 0.2087, 0.2713



1.5648, 0.2116, 0.2817

Previews

White Background



This preview shows how the Yxy color 16.5111, 0.6230, 0.3436 looks on a white background.

Color Contrast Check

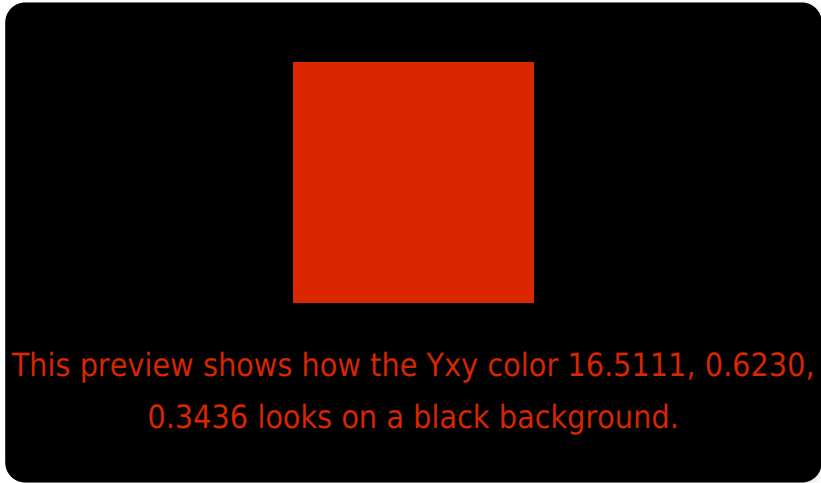
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5111, 0.6230, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 16.5111, 0.6230, 0.3436.



This preview shows how white text looks on a background with the Yxy color 16.5111, 0.6230, 0.3436.

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

16.5111, 0.6230, 0.3436

Protanopia

16.7030, 0.4284, 0.4734

Deuteranopia

16.6544, 0.4705, 0.4646



Tritanopia

16.5046, 0.6052, 0.3310

Trichromacy



Original Color

16.5111, 0.6230, 0.3436

Protanomaly

14.4339, 0.5202, 0.4124

Deuteranomaly

14.8444, 0.5441, 0.4061

Tritanomaly

16.5042, 0.6143, 0.3374

Monochromacy



Original Color

16.5111, 0.6230, 0.3436

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.9001, 0.4676, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5111, 0.6230, 0.3436 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(219, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 39, 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(219, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 39, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.5111, 0.6230, 0.3436 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(219, 39, 0) }
```

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

```
.border{ border-color:rgb(219, 39, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 39, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 39, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5111, 0.6230, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 39, 0) }
```

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

```
.background{ background-color: rgb(219, 39,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor