

Converting Colors

$Yxy(15.1421, 0.6338, 0.3265)$

Have a look what the booklet for
Yxy(15.1421, 0.6338, 0.3265)
contains.

Yxy(15.0946, 0.6340, 0.3266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.0946, 0.6340, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	DB000F
RGB	219, 0, 15
RGB Percent	86%, 0%, 6%
CMY	0.1411, 1.0000, 0.9412
CMYK	0.00, 1.00, 0.93, 0.14
HSL	356°, 100%, 43%
HSV	356°, 100%, 86%
XYZ	29.3018, 15.0946, 1.8210
YIQ	67.1910, 125.7090, 51.0930

Conversions

Conversions Part 2

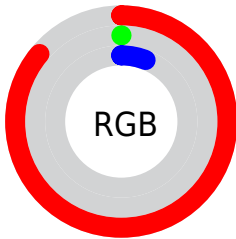
Format	Color
RYB	219, 0, 15
Decimal	14352399
CIELab	45.76, 71.55, 55.34
CIElCh	46, 90.455, 37.722
Yxy	15.0946, 0.6340, 0.3266
Android (android.graphics.Color)	4292542479 (0xFFDB000F)
YUV	67.1910, -25.7302, 133.1365
Hunter-Lab	38.8518, 66.6333, 24.4173

Details

The Yxy color **15.0946, 0.6340, 0.3266** 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 **55.0279, 0.2306, 0.3503**, and the grayscale version is **5.6716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7749, 0.5544, 0.3488**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.0959, 0.6340, 0.3266**, and if you desaturate by 10%, it is **15.7552, 0.6127, 0.3238**.

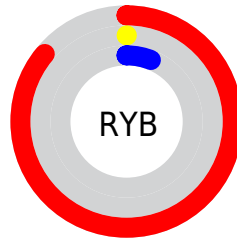
Distribution



Red (86%)

Green (0%)

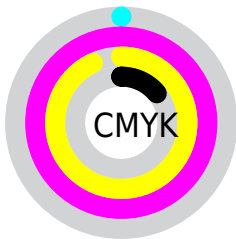
Blue (6%)



Red (86%)

Yellow (0%)

Blue (6%)

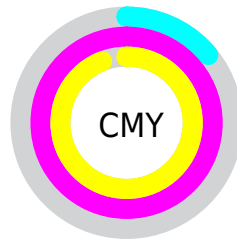


Cyan (0%)

Magenta (100%)

Yellow (93%)

Black (14%)



Cyan (14%)

Magenta (100%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0946, 0.6340, 0.3266 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 15.0946, 0.6340, 0.3266 by changing the saturation by 10% instead.


 15.0946, 0.6340,
0.3266


 15.0946, 0.6340,
0.3266


223.9381, 0.4583,
0.3532


 8.8858, 0.6759,
0.3087


 35.0191, 0.5709,
0.3450


 4.6668, 0.7218,
0.2782

 49.5035, 0.5464,
0.3491

 2.0531, 0.7704,
0.2296

 67.5153, 0.5257,
0.3515

 0.6381, 0.8435,
0.1565

 89.4388, 0.5081,
0.3528


 0.0000, 1.0000,
0.0000

 115.6584, 0.4929,
0.3534

 0.0000, 0.0000,
0.0000


 146.5586, 0.4798,


0.3536


 182.5237, 0.4684,
0.3535


 15.0946, 0.6340,
0.3266


 15.0946, 0.6340,
0.3266


 15.0959, 0.6340,
0.3266

 15.7552, 0.6127,
0.3238

 17.1317, 0.5777,
0.3211

 19.4478, 0.5337,
0.3197

 22.8317, 0.4874,
0.3196

 27.3911, 0.4441,
0.3205

■ 33.2209, 0.4064,
0.3220

■ 40.4063, 0.3751,
0.3237

■ 49.0248, 0.3496,
0.3256

■ 59.1484, 0.3291,
0.3273

Harmonies

Analogous

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



15.0946, 0.5637, 0.2483



15.0946, 0.6340, 0.3266



15.0946, 0.5775, 0.4225

Triad

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



15.0946, 0.6340, 0.3266



15.0946, 0.1861, 0.6077



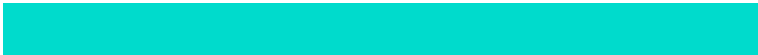
15.0946, 0.1223, 0.1125

Complementary

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



15.0946, 0.6340, 0.3266



55.0279, 0.2306, 0.3503

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.



15.0946, 0.0802, 0.1277



15.0946, 0.6340, 0.3266



15.0946, 0.0997, 0.3593

Square

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



15.0946, 0.6340, 0.3266



15.0946, 0.3136, 0.6638



15.0946, 0.0716, 0.1926



15.0946, 0.2158, 0.1288

Rectangle

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



15.0946, 0.6340, 0.3266



15.0946, 0.4974, 0.5026



15.0946, 0.0716, 0.1926



15.0946, 0.1038, 0.1137

Sweetspot

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



15.0959, 0.6340, 0.3266



56.7499, 0.3758, 0.3237



17.4990, 0.2998, 0.1425



11.1767, 0.3884, 0.3229



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.



15.0959, 0.6340, 0.3266



21.3019, 0.6348, 0.3271



22.5871, 0.5668, 0.3882



13.0659, 0.3281, 0.3274



8.9561, 0.6323, 0.3257



0.5854, 0.6100, 0.3134

Inverse Universe

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



15.0959, 0.6340, 0.3266



21.3019, 0.6348, 0.3271



20.4895, 0.1847, 0.1848



13.0659, 0.3281, 0.3274



8.9561, 0.6323, 0.3257



0.5854, 0.6100, 0.3134

Previews

White Background



This preview shows how the Yxy color 15.0946, 0.6340, 0.3266 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 15.0946, 0.6340, 0.3266 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 15.0946, 0.6340, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 15.0946, 0.6340, 0.3266.



This preview shows how white text looks on a background with the Yxy color 15.0946, 0.6340, 0.3266.

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

15.0946, 0.6340, 0.3266

Protanopia

15.7753, 0.4211, 0.4646

Deuteranopia

15.5921, 0.4690, 0.4658



Tritanopia

15.2520, 0.6338, 0.3349

Trichromacy



Original Color

15.0946, 0.6340, 0.3266

Protanomaly

11.9612, 0.5364, 0.3828

Deuteranomaly

12.3501, 0.5664, 0.3847

Tritanomaly

15.2042, 0.6346, 0.3317

Monochromacy



Original Color

15.0946, 0.6340, 0.3266

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

6.0787, 0.4966, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0946, 0.6340, 0.3266 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, 0, 15)` looks like.

```
.text, #text, p{  
  color:rgb(219, 0, 15)  
}
```

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, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 15) }
```

Border

The CSS property to change the border of an element to Yxy 15.0946, 0.6340, 0.3266 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, 0, 15) }
```

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

```
.border{ border-color:rgb(219, 0, 15) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 15);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 15)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0946, 0.6340, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 15) }
```

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

```
.background{ background-color: rgb(219, 0,  
15) }
```

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