

Converting Colors

$Y_{xy}(15.6678, 0.6380, 0.3315)$

Have a look what the booklet for
Yxy(15.6678, 0.6380, 0.3315)
contains.

Yxy(15.7033, 0.6380, 0.3316)	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(15.7033, 0.6380, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	DE0800
RGB	222, 8, 0
RGB Percent	87%, 3%, 0%
CMY	0.1294, 0.9687, 0.9999
CMYK	0.00, 0.96, 1.00, 0.13
HSL	2°, 100%, 44%
HSV	2°, 100%, 87%
XYZ	30.2132, 15.7033, 1.4396
YIQ	71.0740, 130.1120, 42.8800

Conversions

Conversions Part 2

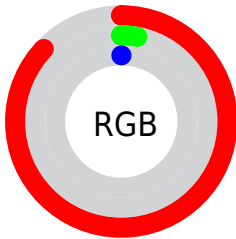
Format	Color
RYB	222, 8, 0
Decimal	14551040
CIELab	46.58, 71.48, 60.61
CIElCh	47, 93.719, 40.294
Yxy	15.7033, 0.6380, 0.3316
Android (android.graphics.Color)	4292741120 (0xFFDE0800)
YUV	71.0740, -35.0395, 132.3621
Hunter-Lab	39.6274, 66.7463, 25.5852

Details

The Yxy color **15.7033, 0.6380, 0.3316** 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 **53.3970, 0.2216, 0.3176**, and the grayscale version is **6.3577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0180, 0.5604, 0.3561**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.7035, 0.6380, 0.3316**, and if you desaturate by 10%, it is **16.4878, 0.6201, 0.3328**.

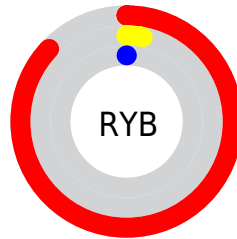
Distribution



Red (87%)

Green (3%)

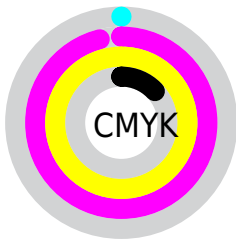
Blue (0%)



Red (87%)

Yellow (3%)

Blue (0%)

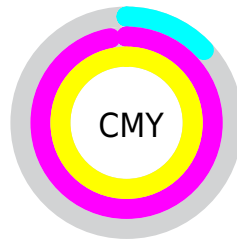


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (97%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7033, 0.6380, 0.3316 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 15.7033, 0.6380, 0.3316 by changing the saturation by 10% instead.


 15.7033, 0.6380,
0.3316


 15.7033, 0.6380,
0.3316


 227.5845, 0.4640,
0.3582


 9.3144, 0.6799,
0.3143


 36.0823, 0.5771,
0.3506


 4.9468, 0.7183,
0.2817

 50.8413, 0.5529,
0.3549

 2.2161, 0.7656,
0.2344

 69.1591, 0.5323,
0.3572

 0.7288, 0.8339,
0.1661

 91.4202, 0.5146,
0.3585


 0.0000, 1.0000,
0.0000


 118.0089, 0.4992,
0.3590


 0.0000, 0.0000,
0.0000


 149.3095, 0.4859,


0.3590

 185.7066, 0.4743,
0.3587


 15.7033, 0.6380,
0.3316


 15.7033, 0.6380,
0.3316


 15.7035, 0.6380,
0.3316

 16.4878, 0.6201,
0.3328

 18.0660, 0.5875,
0.3341

 20.5928, 0.5439,
0.3347

 24.1854, 0.4966,
0.3347

 28.9442, 0.4516,
0.3340

■ 34.9579, 0.4120,
0.3331

■ 42.3066, 0.3789,
0.3320

■ 51.0639, 0.3519,
0.3310

■ 61.2979, 0.3302,
0.3299

Harmonies

Analogous

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



15.7033, 0.5809, 0.2530



15.7033, 0.6380, 0.3316



15.7033, 0.5699, 0.4301

Triad

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



15.7033, 0.6380, 0.3316



15.7033, 0.1729, 0.5972



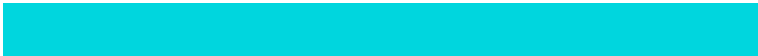
15.7033, 0.1254, 0.1101

Complementary

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



15.7033, 0.6380, 0.3316



53.3970, 0.2216, 0.3176

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.



15.7033, 0.0798, 0.1221



15.7033, 0.6380, 0.3316



15.7033, 0.0919, 0.3390

Square

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



15.7033, 0.6380, 0.3316



15.7033, 0.2988, 0.6746



15.7033, 0.0683, 0.1810



15.7033, 0.2253, 0.1290

Rectangle

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



15.7033, 0.6380, 0.3316



15.7033, 0.4860, 0.5140



15.7033, 0.0683, 0.1810



15.7033, 0.1055, 0.1104

Sweetspot

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



15.7043, 0.6380, 0.3316



57.6399, 0.3797, 0.3321



20.4179, 0.3295, 0.1589



11.3776, 0.3930, 0.3325



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.



15.7043, 0.6380, 0.3316



21.4583, 0.6383, 0.3313



28.5872, 0.5326, 0.4153



13.7788, 0.3291, 0.3299



9.3611, 0.6373, 0.3322



0.6770, 0.6294, 0.3384

Inverse Universe

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



53.3970, 0.2216, 0.3176



73.0505, 0.2216, 0.3176



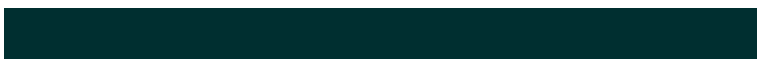
15.0995, 0.1736, 0.1448



15.4837, 0.2982, 0.3281



31.7503, 0.2216, 0.3178



2.2274, 0.2221, 0.3196

Previews

White Background



This preview shows how the Yxy color 15.7033, 0.6380, 0.3316 looks on a white background.

Color Contrast Check

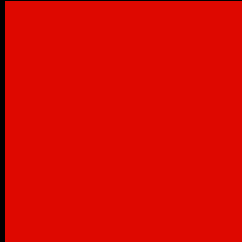
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7033, 0.6380, 0.3316 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 15.7033, 0.6380, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 15.7033, 0.6380, 0.3316.



This preview shows how white text looks on a background with the Yxy color 15.7033, 0.6380, 0.3316.

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

15.7033, 0.6380, 0.3316

Protanopia

16.1127, 0.4271, 0.4707

Deuteranopia

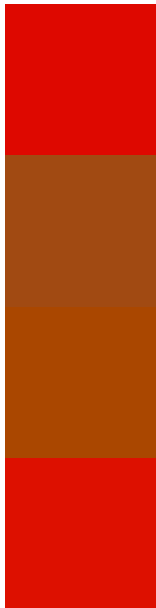
16.1781, 0.4683, 0.4664



Tritanopia

15.8725, 0.6341, 0.3347

Trichromacy



Original Color

15.7033, 0.6380, 0.3316

Protanomaly

12.5183, 0.5417, 0.3930

Deuteranomaly

13.0525, 0.5636, 0.3907

Tritanomaly

15.7427, 0.6356, 0.3335

Monochromacy



Original Color

15.7033, 0.6380, 0.3316

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.7390, 0.5036, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7033, 0.6380, 0.3316 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(222, 8, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 8, 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(222, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 8, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.7033, 0.6380, 0.3316 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(222, 8, 0) }
```

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

```
.border{ border-color:rgb(222, 8, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 8, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(222, 8, 0); box-shadow:4px  
4px 4px 4px rgb(222, 8, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7033, 0.6380, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 8, 0) }
```

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

```
.background{ background-color: rgb(222, 8,  
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