

Converting Colors

$Yxy(16.7994, 0.6308, 0.3248)$

Have a look what the booklet for
Yxy(16.7994, 0.6308, 0.3248)
contains.

Yxy(16.8809, 0.6310, 0.3250)	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(16.8809, 0.6310, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	E60016
RGB	230, 0, 22
RGB Percent	90%, 0%, 9%
CMY	0.0981, 0.9994, 0.9141
CMYK	0.00, 1.00, 0.90, 0.10
HSL	354°, 100%, 45%
HSV	354°, 100%, 90%
XYZ	32.7749, 16.8809, 2.2854
YIQ	71.2780, 130.0180, 55.6020

Conversions

Conversions Part 2

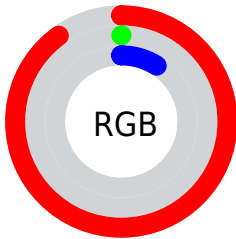
Format	Color
RYB	230, 0, 22
Decimal	15073302
CIELab	48.11, 74.29, 55.36
CIELCh	48, 92.648, 36.697
Yxy	16.8809, 0.6310, 0.3250
Android (android.graphics.Color)	4293263382 (0xFFE60016)
YUV	71.2780, -24.2941, 139.1992
Hunter-Lab	41.0864, 70.4897, 25.4625

Details

The Yxy color **16.8809, 0.6310, 0.3250** 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 **61.1538, 0.2330, 0.3589**, and the grayscale version is **6.3890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1844, 0.5469, 0.3463**, and **7.8925, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.8783, 0.6311, 0.3250**, and if you desaturate by 10%, it is **17.6122, 0.6080, 0.3209**.

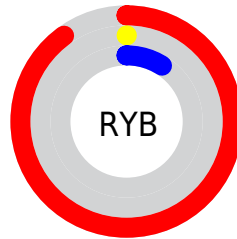
Distribution



Red (90%)

Green (0%)

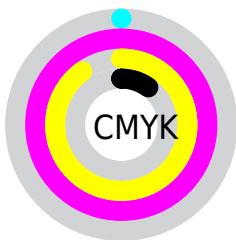
Blue (9%)



Red (90%)

Yellow (0%)

Blue (9%)

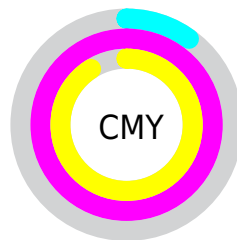


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8809, 0.6310, 0.3250 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 16.8809, 0.6310, 0.3250 by changing the saturation by 10% instead.


 16.8809, 0.6310,
0.3250


 16.8809, 0.6310,
0.3250


234.4851, 0.4589,
0.3513


 10.1496, 0.6704,
0.3077


 38.1209, 0.5694,
0.3425


 5.4983, 0.7188,
0.2812

 53.3984, 0.5455,
0.3466

 2.5425, 0.7642,
0.2358

 72.2934, 0.5253,
0.3490

 0.8978, 0.8274,
0.1726

 95.1903, 0.5080,
0.3505


 0.0000, 1.0000,
0.0000


 122.4736, 0.4931,
0.3512


 0.0000, 0.0000,
0.0000

 154.5275, 0.4801,

0.3515


 191.7366, 0.4689,
0.3515


 16.8809, 0.6310,
0.3250


 16.8809, 0.6310,
0.3250


 16.8783, 0.6311,
0.3250

 17.6122, 0.6080,
0.3209

 19.1516, 0.5722,
0.3174

 21.7410, 0.5283,
0.3157

 25.5240, 0.4828,
0.3157

 30.6215, 0.4405,
0.3171

■ 37.1397, 0.4038,
0.3192

■ 45.1737, 0.3734,
0.3217

■ 54.8108, 0.3486,
0.3242

■ 66.1312, 0.3286,
0.3267

Harmonies

Analogous

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



16.8809, 0.5557, 0.2469



16.8809, 0.6310, 0.3250



16.8809, 0.5800, 0.4200

Triad

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



16.8809, 0.6310, 0.3250



16.8809, 0.1921, 0.6097



16.8809, 0.1216, 0.1141

Complementary

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



16.8809, 0.6310, 0.3250



61.1538, 0.2330, 0.3589

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.



16.8809, 0.0810, 0.1306



16.8809, 0.6310, 0.3250



16.8809, 0.1036, 0.3673

Square

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



16.8809, 0.6310, 0.3250



16.8809, 0.3193, 0.6571



16.8809, 0.0735, 0.1979



16.8809, 0.2126, 0.1293

Rectangle

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



16.8809, 0.6310, 0.3250



16.8809, 0.5017, 0.4983



16.8809, 0.0735, 0.1979



16.8809, 0.1037, 0.1157

Sweetspot

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



16.8820, 0.6310, 0.3250



56.8344, 0.3740, 0.3216



18.9819, 0.2955, 0.1402



11.1960, 0.3862, 0.3205



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.



16.8820, 0.6310, 0.3250



21.3266, 0.6318, 0.3254



24.4903, 0.5719, 0.3841



14.3900, 0.3278, 0.3268



9.5644, 0.6290, 0.3239



0.7144, 0.6026, 0.3094

Inverse Universe

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



16.8820, 0.6310, 0.3250



21.3266, 0.6318, 0.3254



23.9054, 0.1863, 0.1904



14.3900, 0.3278, 0.3268



9.5644, 0.6290, 0.3239



0.7144, 0.6026, 0.3094

Previews

White Background



This preview shows how the Yxy color 16.8809, 0.6310, 0.3250 looks on a white background.

Color Contrast Check

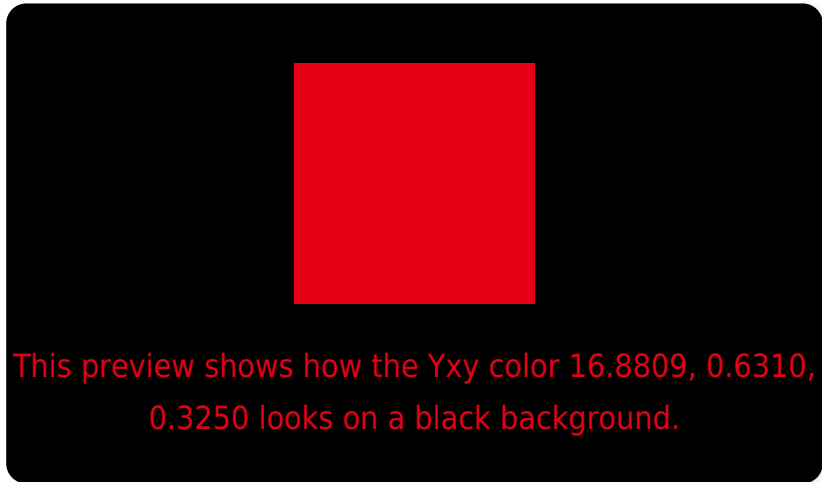
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8809, 0.6310, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 16.8809, 0.6310, 0.3250.



This preview shows how white text looks on a background with the Yxy color 16.8809, 0.6310, 0.3250.

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

16.8809, 0.6310, 0.3250

Protanopia

17.4038, 0.4178, 0.4582

Deuteranopia

17.2629, 0.4697, 0.4652



Tritanopia

17.0303, 0.6341, 0.3347

Trichromacy



Original Color

16.8809, 0.6310, 0.3250

Protanomaly

13.1259, 0.5317, 0.3777

Deuteranomaly

13.7450, 0.5670, 0.3827

Tritanomaly

16.9634, 0.6341, 0.3310

Monochromacy



Original Color

16.8809, 0.6310, 0.3250

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.8009, 0.4933, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8809, 0.6310, 0.3250 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(230, 0, 22)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 22)  
}
```

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(230, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 22) }
```

Border

The CSS property to change the border of an element to Yxy 16.8809, 0.6310, 0.3250 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(230, 0, 22) }
```

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

```
.border{ border-color:rgb(230, 0, 22) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(230, 0, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8809, 0.6310, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 22) }
```

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

```
.background{ background-color: rgb(230, 0,  
22) }
```

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