

Converting Colors

$Y_{xy}(16.7949, 0.6315, 0.3252)$

Have a look what the booklet for
Yxy(16.7949, 0.6315, 0.3252)
contains.

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Color

Yxy(16.8771, 0.6316, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	E60015
RGB	230, 0, 21
RGB Percent	90%, 0%, 8%
CMY	0.0980, 0.9998, 0.9180
CMYK	0.00, 1.00, 0.91, 0.10
HSL	355°, 100%, 45%
HSV	355°, 100%, 90%
XYZ	32.7684, 16.8771, 2.2361
YIQ	71.1640, 130.3390, 55.2910

Conversions

Conversions Part 2

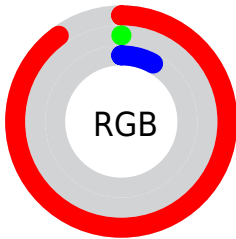
Format	Color
RYB	230, 0, 21
Decimal	15073301
CIELab	48.10, 74.28, 55.76
CIELCh	48, 92.881, 36.891
Yxy	16.8771, 0.6316, 0.3253
Android (android.graphics.Color)	4293263381 (0xFFE60015)
YUV	71.1640, -24.7309, 139.2992
Hunter-Lab	41.0817, 70.4857, 25.5300

Details

The Yxy color **16.8771, 0.6316, 0.3253** 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 **61.2048, 0.2327, 0.3576**, and the grayscale version is **6.3601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1718, 0.5479, 0.3470**, and **7.8925, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.8769, 0.6316, 0.3253**, and if you desaturate by 10%, it is **17.6040, 0.6090, 0.3214**.

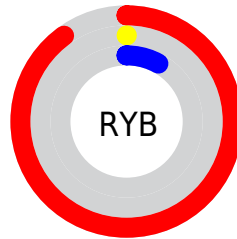
Distribution



Red (90%)

Green (0%)

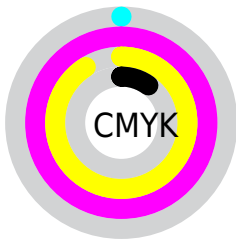
Blue (8%)



Red (90%)

Yellow (0%)

Blue (8%)

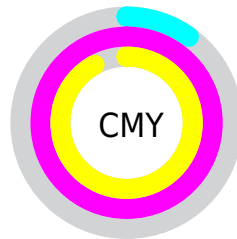


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (10%)



Cyan (10%)

Magenta (100%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8771, 0.6316, 0.3253 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 16.8771, 0.6316, 0.3253 by changing the saturation by 10% instead.


 16.8771, 0.6316,
0.3253


 16.8771, 0.6316,
0.3253


234.4631, 0.4594,
0.3517


 10.1469, 0.6710,
0.3080


 38.1143, 0.5701,
0.3429


 5.4965, 0.7188,
0.2812

 53.3902, 0.5462,
0.3470

 2.5414, 0.7643,
0.2357

 72.2834, 0.5259,
0.3494

 0.8973, 0.8274,
0.1726

 95.1783, 0.5086,
0.3509


 0.0000, 1.0000,
0.0000

 122.4593, 0.4936,
0.3516

 0.0000, 0.0000,
0.0000


 154.5109, 0.4807,


0.3519


 191.7174, 0.4694,
0.3519

 16.8771, 0.6316,
0.3253

 16.8771, 0.6316,
0.3253


 16.8769, 0.6316,
0.3253

 17.6040, 0.6090,
0.3214

 19.1372, 0.5733,
0.3180

 21.7204, 0.5294,
0.3163

 25.4974, 0.4837,
0.3163

 30.5893, 0.4413,
0.3176

■ 37.1025, 0.4044,
0.3196

■ 45.1323, 0.3737,
0.3220

■ 54.7659, 0.3488,
0.3244

■ 66.0839, 0.3288,
0.3268

Harmonies

Analogous

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



16.8771, 0.5573, 0.2471



16.8771, 0.6316, 0.3253



16.8771, 0.5796, 0.4204

Triad

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



16.8771, 0.6316, 0.3253



16.8771, 0.1909, 0.6093



16.8771, 0.1217, 0.1138

Complementary

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



16.8771, 0.6316, 0.3253



61.2048, 0.2327, 0.3576

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.



16.8771, 0.0809, 0.1300



16.8771, 0.6316, 0.3253



16.8771, 0.1028, 0.3658

Square

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



16.8771, 0.6316, 0.3253



16.8771, 0.3182, 0.6582



16.8771, 0.0731, 0.1969



16.8771, 0.2131, 0.1292

Rectangle

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



16.8771, 0.6316, 0.3253



16.8771, 0.5009, 0.4991



16.8771, 0.0731, 0.1969



16.8771, 0.1037, 0.1153

Sweetspot

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



16.8782, 0.6316, 0.3253



56.8217, 0.3743, 0.3219



18.9807, 0.2955, 0.1402



11.1931, 0.3866, 0.3209



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.



16.8782, 0.6316, 0.3253



21.3224, 0.6323, 0.3257



24.4830, 0.5720, 0.3840



14.3891, 0.3278, 0.3269



9.5622, 0.6295, 0.3242



0.7140, 0.6041, 0.3101

Inverse Universe

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



16.8782, 0.6316, 0.3253



21.3224, 0.6323, 0.3257



23.8965, 0.1862, 0.1904



14.3891, 0.3278, 0.3269



9.5622, 0.6295, 0.3242



0.7140, 0.6041, 0.3101

Previews

White Background



This preview shows how the Yxy color 16.8771, 0.6316, 0.3253 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 16.8771, 0.6316, 0.3253 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 16.8771, 0.6316, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 16.8771, 0.6316, 0.3253.



This preview shows how white text looks on a background with the Yxy color 16.8771, 0.6316, 0.3253.

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

16.8771, 0.6316, 0.3253

Protanopia

17.3967, 0.4186, 0.4594

Deuteranopia

17.2629, 0.4697, 0.4652

Trichromacy



Original Color

16.8771, 0.6316, 0.3253

Protanomaly

13.1200, 0.5328, 0.3786

Deuteranomaly

13.7450, 0.5670, 0.3827

Monochromacy



Original Color

16.8771, 0.6316, 0.3253

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 16.8771, 0.6316, 0.3253 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, 21)` looks like.

```
.text, #text, p{  
  color:rgb(230, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 21) }
```

Border

The CSS property to change the border of an element to Yxy 16.8771, 0.6316, 0.3253 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, 21) }
```

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

```
.border{ border-color:rgb(230, 0, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(230, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to Yxy 16.8771, 0.6316, 0.3253 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, 21) }
```

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

```
.background{ background-color: rgb(230, 0,  
21) }
```

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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