

Converting Colors

$Yxy(16.9793, 0.6383, 0.3314)$

Have a look what the booklet for
Yxy(16.9793, 0.6383, 0.3314)
contains.

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Color

Yxy(16.9967, 0.6382, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	E60800
RGB	230, 8, 0
RGB Percent	90%, 3%, 0%
CMY	0.0980, 0.9686, 1.0000
CMYK	0.00, 0.97, 1.00, 0.10
HSL	2°, 100%, 45%
HSV	2°, 100%, 90%
XYZ	32.7219, 16.9967, 1.5535
YIQ	73.4660, 134.8800, 44.5760

Conversions

Conversions Part 2

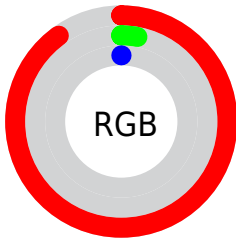
Format	Color
RYB	230, 8, 0
Decimal	15075328
CIELab	48.26, 73.47, 62.28
CIELCh	48, 96.311, 40.288
Yxy	16.9967, 0.6382, 0.3315
Android (android.graphics.Color)	4293265408 (0xFFE60800)
YUV	73.4660, -36.2187, 137.2803
Hunter-Lab	41.2271, 69.5278, 26.6247

Details

The Yxy color **16.9967, 0.6382, 0.3315** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **57.9633, 0.2217, 0.3180**, and the grayscale version is **6.7956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3742, 0.5578, 0.3572**, and **7.8925, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.9980, 0.6382, 0.3315**, and if you desaturate by 10%, it is **17.8248, 0.6207, 0.3327**.

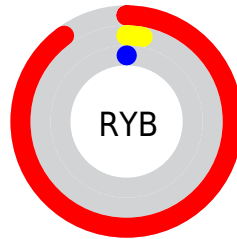
Distribution



Red (90%)

Green (3%)

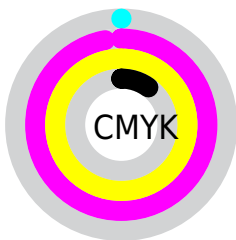
Blue (0%)



Red (90%)

Yellow (3%)

Blue (0%)

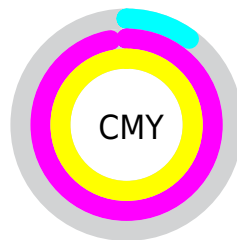


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (97%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9967, 0.6382, 0.3315 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 16.9967, 0.6382, 0.3315 by changing the saturation by 10% instead.


 16.9967, 0.6382,
0.3315


 16.9967, 0.6382,
0.3315


 235.1534, 0.4664,
0.3583


 10.2321, 0.6779,
0.3142


 38.3201, 0.5786,
0.3503


 5.5531, 0.7164,
0.2836

 53.6477, 0.5549,
0.3546


 2.5753, 0.7615,
0.2385

 72.5985, 0.5345,
0.3570

 0.9143, 0.8243,
0.1757

 95.5568, 0.5169,
0.3583


 0.0000, 1.0000,
0.0000


 122.9071, 0.5016,
0.3589

 0.0000, 0.0000,
0.0000


 155.0336, 0.4884,


0.3590


 192.3209, 0.4767,
0.3588


 16.9967, 0.6382,
0.3315


 16.9967, 0.6382,
0.3315

 16.9980, 0.6382,
0.3315

 17.8248, 0.6207,
0.3327

 19.5134, 0.5883,
0.3340

 22.2321, 0.5448,
0.3346

 26.1098, 0.4974,
0.3345

 31.2564, 0.4522,
0.3339

■ 37.7693, 0.4124,
0.3330

■ 45.7362, 0.3792,
0.3320

■ 55.2374, 0.3521,
0.3309

■ 66.3476, 0.3302,
0.3299

Harmonies

Analogous

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



16.9967, 0.5811, 0.2529



16.9967, 0.6382, 0.3315



16.9967, 0.5700, 0.4300

Triad

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



16.9967, 0.6382, 0.3315



16.9967, 0.1728, 0.5975



16.9967, 0.1252, 0.1100

Complementary

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



16.9967, 0.6382, 0.3315



57.9633, 0.2217, 0.3180

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.



16.9967, 0.0797, 0.1219



16.9967, 0.6382, 0.3315



16.9967, 0.0917, 0.3391

Square

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



16.9967, 0.6382, 0.3315



16.9967, 0.2986, 0.6744



16.9967, 0.0682, 0.1809



16.9967, 0.2252, 0.1289

Rectangle

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



16.9967, 0.6382, 0.3315



16.9967, 0.4860, 0.5140



16.9967, 0.0682, 0.1809



16.9967, 0.1054, 0.1103

Sweetspot

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



16.9980, 0.6382, 0.3315



57.6070, 0.3797, 0.3320



22.1167, 0.3295, 0.1589



11.3701, 0.3930, 0.3324



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.



16.9980, 0.6382, 0.3315



21.4524, 0.6384, 0.3313



30.9089, 0.5329, 0.4151



14.4478, 0.3292, 0.3299



9.6589, 0.6374, 0.3321



0.7423, 0.6301, 0.3379

Inverse Universe

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



57.9633, 0.2217, 0.3180



73.2143, 0.2216, 0.3179



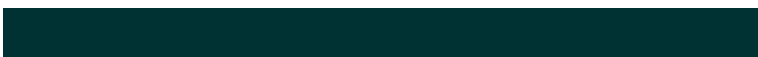
16.2995, 0.1735, 0.1444



16.2459, 0.2982, 0.3281



32.8520, 0.2217, 0.3181



2.4547, 0.2222, 0.3198

Previews

White Background



This preview shows how the Yxy color 16.9967, 0.6382, 0.3315 looks on a white background.

Color Contrast Check

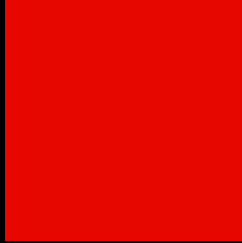
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9967, 0.6382, 0.3315 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 16.9967, 0.6382, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 16.9967, 0.6382, 0.3315.



This preview shows how white text looks on a background with the Yxy color 16.9967, 0.6382, 0.3315.

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

16.9967, 0.6382, 0.3315

Protanopia

17.3303, 0.4267, 0.4714

Deuteranopia

17.2629, 0.4697, 0.4652



Tritanopia

17.0303, 0.6341, 0.3347

Trichromacy



Original Color

16.9967, 0.6382, 0.3315

Protanomaly

13.4618, 0.5409, 0.3936

Deuteranomaly

14.1122, 0.5656, 0.3891

Tritanomaly

17.0286, 0.6360, 0.3332

Monochromacy



Original Color

16.9967, 0.6382, 0.3315

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.1397, 0.5062, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9967, 0.6382, 0.3315 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, 8, 0)` looks like.

```
.text, #text, p{  
  color:rgb(230, 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(230, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 8, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.9967, 0.6382, 0.3315 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, 8, 0) }
```

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

```
.border{ border-color:rgb(230, 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(230, 8, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(230, 8, 0); box-shadow:4px  
4px 4px 4px rgb(230, 8, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9967, 0.6382, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 8, 0) }
```

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

```
.background{ background-color: rgb(230, 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](#).

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