

Converting Colors

$Yxy(17.1490, 0.6380, 0.3316)$

Have a look what the booklet for
Yxy(17.1490, 0.6380, 0.3316)
contains.

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Color

Yxy(17.1843, 0.6379, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	E70900
RGB	231, 9, 0
RGB Percent	91%, 4%, 0%
CMY	0.0942, 0.9638, 1.0000
CMYK	0.00, 0.96, 1.00, 0.09
HSL	2°, 100%, 45%
HSV	2°, 100%, 91%
XYZ	33.0475, 17.1843, 1.5749
YIQ	74.3520, 135.2010, 44.2650

Conversions

Conversions Part 2

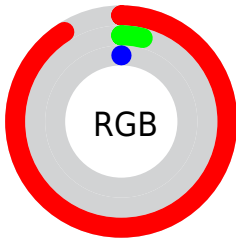
Format	Color
R_{YB}	231, 9, 0
Decimal	15141120
CIE _{Lab}	48.49, 73.61, 62.46
CIE _{LCh}	48, 96.540, 40.316
Yxy	17.1843, 0.6379, 0.3317
Android (android.graphics.Color)	4293331200 (0xFFE70900)
YUV	74.3520, -36.6555, 137.3803
Hunter-Lab	41.4540, 69.7577, 26.7652

Details

The Yxy color **17.1843, 0.6379, 0.3317** 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 **57.8810, 0.2212, 0.3163**, and the grayscale version is **6.9857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3742, 0.5578, 0.3572**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.1854, 0.6379, 0.3317**, and if you desaturate by 10%, it is **18.0484, 0.6202, 0.3331**.

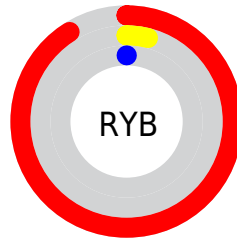
Distribution



Red (91%)

Green (4%)

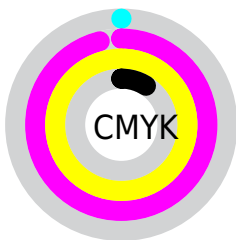
Blue (0%)



Red (91%)

Yellow (4%)

Blue (0%)

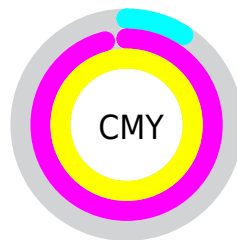


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (96%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1843, 0.6379, 0.3317 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 17.1843, 0.6379, 0.3317 by changing the saturation by 10% instead.


 17.1843, 0.6379,
0.3317


 17.1843, 0.6379,
0.3317


 236.2322, 0.4666,
0.3584


 10.3660, 0.6772,
0.3145


 38.6424, 0.5785,
0.3504


 5.6423, 0.7158,
0.2842


 54.0509, 0.5548,
0.3546

 2.6288, 0.7606,
0.2394


 73.0917, 0.5345,
0.3571

 0.9412, 0.8229,
0.1771

 96.1490, 0.5170,
0.3584


 0.0000, 1.0000,
0.0000


 123.6073, 0.5017,
0.3590


 0.0000, 0.0000,
0.0000


 155.8511, 0.4885,


0.3590

 193.2646, 0.4768,
0.3588


 17.1843, 0.6379,
0.3317


 17.1843, 0.6379,
0.3317


 17.1854, 0.6379,
0.3317


 18.0484, 0.6202,
0.3331


 19.7828, 0.5877,
0.3346

 22.5529, 0.5442,
0.3353

 26.4860, 0.4969,
0.3353

 31.6913, 0.4519,
0.3346

 38.2653, 0.4122,
0.3336

 46.2953, 0.3791,
0.3324

 55.8612, 0.3520,
0.3312

 67.0373, 0.3302,
0.3301

Harmonies

Analogous

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



17.1843, 0.5809, 0.2531



17.1843, 0.6379, 0.3317



17.1843, 0.5698, 0.4302

Triad

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



17.1843, 0.6379, 0.3317



17.1843, 0.1729, 0.5969



17.1843, 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.



17.1843, 0.6379, 0.3317



57.8810, 0.2212, 0.3163

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.



17.1843, 0.0799, 0.1221



17.1843, 0.6379, 0.3317



17.1843, 0.0919, 0.3389

Square

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



17.1843, 0.6379, 0.3317



17.1843, 0.2986, 0.6740



17.1843, 0.0684, 0.1810



17.1843, 0.2254, 0.1291

Rectangle

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



17.1843, 0.6379, 0.3317



17.1843, 0.4859, 0.5141



17.1843, 0.0684, 0.1810



17.1843, 0.1056, 0.1104

Sweetspot

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



17.1854, 0.6379, 0.3317



57.7681, 0.3796, 0.3324



22.3280, 0.3295, 0.1589



11.4066, 0.3929, 0.3329



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.



17.1854, 0.6379, 0.3317



21.4810, 0.6381, 0.3315



31.1979, 0.5329, 0.4151



14.4597, 0.3292, 0.3300



9.6789, 0.6371, 0.3324



0.7480, 0.6287, 0.3390

Inverse Universe

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



57.8810, 0.2212, 0.3163



72.4151, 0.2212, 0.3163



16.4491, 0.1735, 0.1444



16.2325, 0.2982, 0.3280



32.5014, 0.2213, 0.3165



2.4326, 0.2218, 0.3184

Previews

White Background



This preview shows how the Yxy color 17.1843, 0.6379, 0.3317 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 17.1843, 0.6379, 0.3317 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 17.1843, 0.6379, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 17.1843, 0.6379, 0.3317.



This preview shows how white text looks on a background with the Yxy color 17.1843, 0.6379, 0.3317.

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

17.1843, 0.6379, 0.3317

Protanopia

17.6416, 0.4267, 0.4718

Deuteranopia

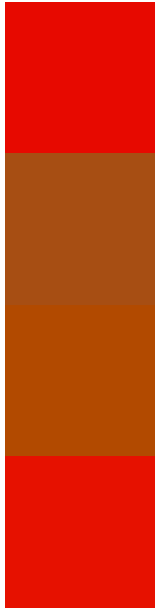
17.5719, 0.4694, 0.4655



Tritanopia

17.3593, 0.6342, 0.3346

Trichromacy



Original Color

17.1843, 0.6379, 0.3317

Protanomaly

13.7113, 0.5402, 0.3944

Deuteranomaly

14.3625, 0.5647, 0.3898

Tritanomaly

17.2239, 0.6357, 0.3335

Monochromacy



Original Color

17.1843, 0.6379, 0.3317

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.3117, 0.5042, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1843, 0.6379, 0.3317 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(231, 9, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 9, 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(231, 9, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 9, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.1843, 0.6379, 0.3317 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(231, 9, 0) }
```

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

```
.border{ border-color:rgb(231, 9, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 9, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 9, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(231, 9, 0); box-shadow:4px  
4px 4px 4px rgb(231, 9, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1843, 0.6379, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 9, 0) }
```

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

```
.background{ background-color: rgb(231, 9,  
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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