

Converting Colors

$Y_{xy}(17.2055, 0.6377, 0.3319)$

Have a look what the booklet for
Yxy(17.2055, 0.6377, 0.3319)
contains.

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Color

Yxy(17.2060, 0.6377, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	E70A00
RGB	231, 10, 0
RGB Percent	91%, 4%, 0%
CMY	0.0942, 0.9600, 1.0000
CMYK	0.00, 0.96, 1.00, 0.09
HSL	3°, 100%, 45%
HSV	3°, 100%, 91%
XYZ	33.0590, 17.2060, 1.5760
YIQ	74.9390, 134.9260, 43.7420

Conversions

Conversions Part 2

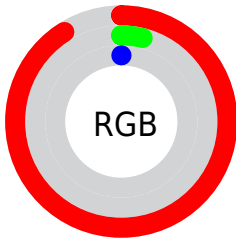
Format	Color
RYB	231, 10, 0
Decimal	15141376
CIELab	48.52, 73.53, 62.50
CIELCh	49, 96.505, 40.362
Yxy	17.2060, 0.6377, 0.3319
Android (android.graphics.Color)	4293331456 (0xFFE70A00)
YUV	74.9390, -36.9449, 136.8655
Hunter-Lab	41.4801, 69.6713, 26.7835

Details

The Yxy color **17.2060, 0.6377, 0.3319** 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 **57.3662, 0.2208, 0.3150**, and the grayscale version is **7.0954, 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 **17.2073, 0.6377, 0.3319**, and if you desaturate by 10%, it is **18.0962, 0.6198, 0.3335**.

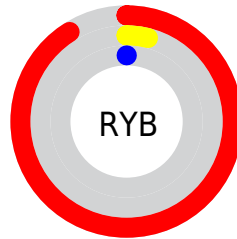
Distribution



Red (91%)

Green (4%)

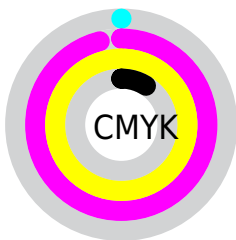
Blue (0%)



Red (91%)

Yellow (4%)

Blue (0%)

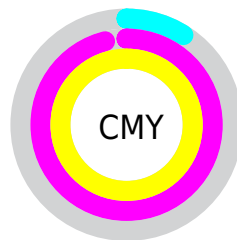


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (96%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2060, 0.6377, 0.3319 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 17.2060, 0.6377, 0.3319 by changing the saturation by 10% instead.


 17.2060, 0.6377,
0.3319

 17.2060, 0.6377,
0.3319


 236.3567, 0.4665,
0.3585


 10.3815, 0.6770,
0.3147


 38.6796, 0.5784,
0.3505


 5.6526, 0.7155,
0.2845

 54.0975, 0.5547,
0.3548


 2.6350, 0.7602,
0.2398


 73.1486, 0.5344,
0.3572

 0.9443, 0.8225,
0.1775

 96.2174, 0.5169,
0.3585


 0.0000, 1.0000,
0.0000


 123.6882, 0.5017,
0.3591


 0.0000, 0.0000,
0.0000


 155.9454, 0.4884,

0.3591

 193.3735, 0.4768,
0.3589


 17.2060, 0.6377,
0.3319


 17.2060, 0.6377,
0.3319


 17.2073, 0.6377,
0.3319

 18.0962, 0.6198,
0.3335

 19.8563, 0.5871,
0.3352

 22.6482, 0.5436,
0.3360

 26.5971, 0.4965,
0.3359

 31.8105, 0.4515,
0.3351

■ 38.3837, 0.4121,
0.3340

■ 46.4026, 0.3790,
0.3327

■ 55.9462, 0.3520,
0.3314

■ 67.0879, 0.3302,
0.3302

Harmonies

Analogous

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



17.2060, 0.5810, 0.2533



17.2060, 0.6377, 0.3319



17.2060, 0.5696, 0.4304

Triad

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



17.2060, 0.6377, 0.3319



17.2060, 0.1729, 0.5963



17.2060, 0.1256, 0.1102

Complementary

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



17.2060, 0.6377, 0.3319



57.3662, 0.2208, 0.3150

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.



17.2060, 0.0800, 0.1221



17.2060, 0.6377, 0.3319



17.2060, 0.0919, 0.3385

Square

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



17.2060, 0.6377, 0.3319



17.2060, 0.2984, 0.6739



17.2060, 0.0685, 0.1809



17.2060, 0.2257, 0.1293

Rectangle

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



17.2060, 0.6377, 0.3319



17.2060, 0.4857, 0.5143



17.2060, 0.0685, 0.1809



17.2060, 0.1057, 0.1105

Sweetspot

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



17.2073, 0.6377, 0.3319



57.9005, 0.3795, 0.3327



22.3288, 0.3295, 0.1589



11.4365, 0.3927, 0.3333



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.



17.2073, 0.6377, 0.3319



21.5054, 0.6379, 0.3317



31.1991, 0.5329, 0.4151



14.4695, 0.3291, 0.3301



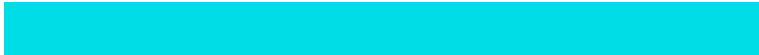
9.6953, 0.6367, 0.3326



0.7527, 0.6276, 0.3399

Inverse Universe

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



57.3662, 0.2208, 0.3150



71.7646, 0.2208, 0.3149



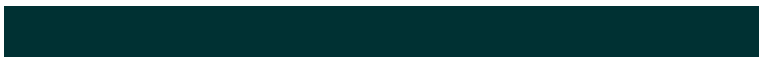
16.4497, 0.1735, 0.1444



16.2215, 0.2982, 0.3279



32.2160, 0.2209, 0.3152



2.4146, 0.2215, 0.3173

Previews

White Background



This preview shows how the Yxy color 17.2060, 0.6377, 0.3319 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 17.2060, 0.6377, 0.3319 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 17.2060, 0.6377, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 17.2060, 0.6377, 0.3319.



This preview shows how white text looks on a background with the Yxy color 17.2060, 0.6377, 0.3319.

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

17.2060, 0.6377, 0.3319

Protanopia

17.6416, 0.4267, 0.4718

Deuteranopia

17.5719, 0.4694, 0.4655



Tritanopia

17.3593, 0.6342, 0.3346

Trichromacy



Original Color

17.2060, 0.6377, 0.3319

Protanomaly

13.7113, 0.5402, 0.3944

Deuteranomaly

14.3625, 0.5647, 0.3898

Tritanomaly

17.2239, 0.6357, 0.3335

Monochromacy



Original Color

17.2060, 0.6377, 0.3319

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.4866, 0.5022, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2060, 0.6377, 0.3319 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, 10, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 10, 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, 10, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 10, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.2060, 0.6377, 0.3319 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, 10, 0) }
```

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

```
.border{ border-color:rgb(231, 10, 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, 10, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 10, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 10, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 10, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.2060, 0.6377, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 10, 0) }
```

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

```
.background{ background-color: rgb(231, 10,  
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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