

Converting Colors

$Y_{xy}(17.5759, 0.6310, 0.3372)$

Have a look what the booklet for
Yxy(17.5759, 0.6310, 0.3372)
contains.

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Color

Yxy(17.4885, 0.6310, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	E51C00
RGB	229, 28, 0
RGB Percent	90%, 11%, 0%
CMY	0.1020, 0.8900, 1.0000
CMYK	0.00, 0.88, 1.00, 0.10
HSL	7°, 100%, 45%
HSV	7°, 100%, 90%
XYZ	32.7261, 17.4885, 1.6493
YIQ	84.9070, 128.7840, 33.9040

Conversions

Conversions Part 2

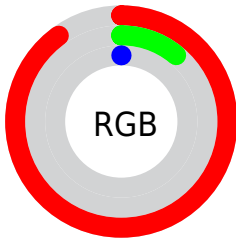
Format	Color
RYB	229, 32, 0
Decimal	15014912
CIELab	48.87, 70.84, 62.36
CIElCh	49, 94.374, 41.359
Yxy	17.4885, 0.6310, 0.3372
Android (android.graphics.Color)	4293204992 (0xFFE51C00)
YUV	84.9070, -41.8592, 126.3696
Hunter-Lab	41.8193, 66.5034, 26.9352

Details

The Yxy color **17.4885, 0.6310, 0.3372** 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 **47.3987, 0.2137, 0.2893**, and the grayscale version is **9.1396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4791, 0.5514, 0.3619**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.4897, 0.6310, 0.3372**, and if you desaturate by 10%, it is **18.8442, 0.6091, 0.3423**.

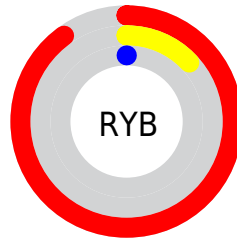
Distribution



Red (90%)

Green (11%)

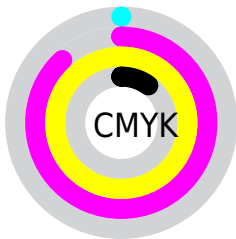
Blue (0%)



Red (90%)

Yellow (13%)

Blue (0%)

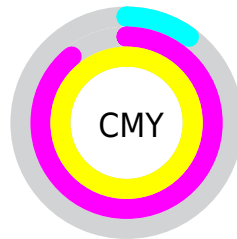


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4885, 0.6310, 0.3372 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 17.4885, 0.6310, 0.3372 by changing the saturation by 10% instead.


 17.4885, 0.6310,
0.3372


 17.4885, 0.6310,
0.3372


 237.9719, 0.4633,
0.3602


 10.5834, 0.6693,
0.3209


 39.1638, 0.5728,
0.3543


 5.7874, 0.7079,
0.2921

 54.7028, 0.5496,
0.3581


 2.7163, 0.7517,
0.2483

 73.8885, 0.5297,
0.3601

 0.9855, 0.8132,
0.1868

 97.1053, 0.5125,
0.3610


 0.0000, 1.0000,
0.0000


 124.7377, 0.4977,
0.3613


 0.0000, 0.0000,
0.0000


 157.1700, 0.4847,


0.3612


 194.7866, 0.4733,
0.3608


 17.4885, 0.6310,
0.3372

 17.4885, 0.6310,
0.3372


 17.4897, 0.6310,
0.3372

 18.8442, 0.6091,
0.3423

 21.0160, 0.5748,
0.3463

 24.1174, 0.5323,
0.3480

 28.2384, 0.4877,
0.3475

 33.4581, 0.4456,
0.3454

■ 39.8480, 0.4085,
0.3424

■ 47.4733, 0.3771,
0.3389

■ 56.3944, 0.3512,
0.3355

■ 66.6678, 0.3300,
0.3321

Harmonies

Analogous

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



17.4885, 0.5787, 0.2583



17.4885, 0.6310, 0.3372



17.4885, 0.5638, 0.4362

Triad

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



17.4885, 0.6310, 0.3372



17.4885, 0.1736, 0.5803



17.4885, 0.1311, 0.1137

Complementary

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



17.4885, 0.6310, 0.3372



47.3987, 0.2137, 0.2893

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.



17.4885, 0.0841, 0.1247



17.4885, 0.6310, 0.3372



17.4885, 0.0945, 0.3321

Square

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



17.4885, 0.6310, 0.3372



17.4885, 0.2973, 0.6669



17.4885, 0.0718, 0.1815



17.4885, 0.2324, 0.1336

Rectangle

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



17.4885, 0.6310, 0.3372



17.4885, 0.4813, 0.5187



17.4885, 0.0718, 0.1815



17.4885, 0.1107, 0.1137

Sweetspot

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



17.4897, 0.6310, 0.3372



60.4068, 0.3776, 0.3390



20.9338, 0.3532, 0.1719



12.0064, 0.3902, 0.3405



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.



17.4897, 0.6310, 0.3372



22.2528, 0.6316, 0.3367



35.7685, 0.5085, 0.4344



14.6510, 0.3289, 0.3319



10.0931, 0.6293, 0.3386



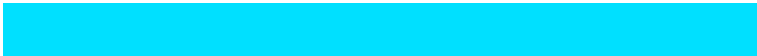
0.8395, 0.6075, 0.3558

Inverse Universe

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



47.3987, 0.2137, 0.2893



60.4000, 0.2136, 0.2891



12.6000, 0.1664, 0.1190



16.0191, 0.2982, 0.3260



27.2230, 0.2139, 0.2900



2.0969, 0.2156, 0.2962

Previews

White Background



This preview shows how the Yxy color 17.4885, 0.6310, 0.3372 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 17.4885, 0.6310, 0.3372 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.4885, 0.6310, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 17.4885, 0.6310, 0.3372.



This preview shows how white text looks on a background with the Yxy color 17.4885, 0.6310, 0.3372.

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

17.4885, 0.6310, 0.3372

Protanopia

17.7168, 0.4287, 0.4718

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.4960, 0.6233, 0.3320

Trichromacy



Original Color

17.4885, 0.6310, 0.3372

Protanomaly

14.7562, 0.5293, 0.4048

Deuteranomaly

15.2320, 0.5526, 0.3994

Tritanomaly

17.4709, 0.6270, 0.3342

Monochromacy



Original Color

17.4885, 0.6310, 0.3372

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.2515, 0.4806, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4885, 0.6310, 0.3372 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(229, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 28, 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(229, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 28, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4885, 0.6310, 0.3372 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(229, 28, 0) }
```

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

```
.border{ border-color:rgb(229, 28, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 28, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 28, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4885, 0.6310, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 28, 0) }
```

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

```
.background{ background-color: rgb(229, 28,  
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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