

Converting Colors

$Y_{xy}(17.2376, 0.6299, 0.3380)$

Have a look what the booklet for
Yxy(17.2376, 0.6299, 0.3380)
contains.

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Color

Yxy(17.2594, 0.6298, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	E31E00
RGB	227, 30, 0
RGB Percent	89%, 12%, 0%
CMY	0.1098, 0.8822, 1.0000
CMYK	0.00, 0.87, 1.00, 0.11
HSL	8°, 100%, 45%
HSV	8°, 100%, 89%
XYZ	32.1407, 17.2594, 1.6331
YIQ	85.4830, 127.0420, 32.4340

Conversions

Conversions Part 2

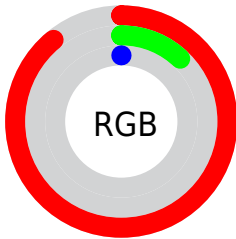
Format	Color
RYB	227, 35, 0
Decimal	14884352
CIELab	48.59, 69.96, 62.03
CIElCh	49, 93.500, 41.563
Yxy	17.2594, 0.6298, 0.3382
Android (android.graphics.Color)	4293074432 (0xFFE31E00)
YUV	85.4830, -42.1431, 124.1104
Hunter-Lab	41.5444, 65.3929, 26.7505

Details

The Yxy color **17.2594, 0.6298, 0.3382** 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 **45.4520, 0.2128, 0.2860**, and the grayscale version is **9.2674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4791, 0.5514, 0.3619**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.2608, 0.6297, 0.3382**, and if you desaturate by 10%, it is **18.6498, 0.6073, 0.3437**.

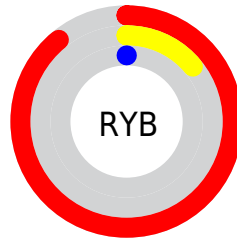
Distribution



Red (89%)

Green (12%)

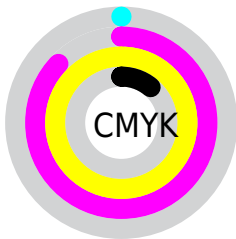
Blue (0%)



Red (89%)

Yellow (14%)

Blue (0%)

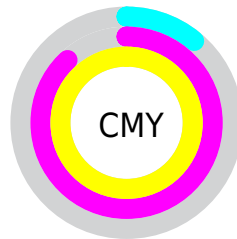


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (88%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2594, 0.6298, 0.3382 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 17.2594, 0.6298, 0.3382 by changing the saturation by 10% instead.


 17.2594, 0.6298,
0.3382


 17.2594, 0.6298,
0.3382


 236.6628, 0.4623,
0.3605


 10.4196, 0.6683,
0.3220


 38.7712, 0.5715,
0.3551


 5.6780, 0.7069,
0.2931

 54.2121, 0.5483,
0.3587

 2.6503, 0.7509,
0.2491

 73.2887, 0.5285,
0.3607

 0.9520, 0.8131,
0.1869

 96.3856, 0.5113,
0.3616

 0.0000, 1.0000,
0.0000


 123.8870, 0.4965,
0.3618


 0.0000, 0.0000,
0.0000


 156.1774, 0.4836,


0.3616

 193.6412, 0.4723,
0.3611


 17.2594, 0.6298,
0.3382


 17.2594, 0.6298,
0.3382


 17.2608, 0.6297,
0.3382

 18.6498, 0.6073,
0.3437

 20.8327, 0.5730,
0.3479

 23.9152, 0.5307,
0.3496

 27.9820, 0.4865,
0.3490

 33.1080, 0.4447,
0.3467

■ 39.3605, 0.4079,
0.3434

■ 46.8014, 0.3768,
0.3397

■ 55.4880, 0.3510,
0.3360

■ 65.4739, 0.3299,
0.3324

Harmonies

Analogous

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



17.2594, 0.5784, 0.2592



17.2594, 0.6298, 0.3382



17.2594, 0.5627, 0.4373

Triad

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



17.2594, 0.6298, 0.3382



17.2594, 0.1736, 0.5774



17.2594, 0.1321, 0.1143

Complementary

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



17.2594, 0.6298, 0.3382



45.4520, 0.2128, 0.2860

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.



17.2594, 0.0849, 0.1251



17.2594, 0.6298, 0.3382



17.2594, 0.0950, 0.3308

Square

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



17.2594, 0.6298, 0.3382



17.2594, 0.2970, 0.6657



17.2594, 0.0724, 0.1815



17.2594, 0.2336, 0.1344

Rectangle

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



17.2594, 0.6298, 0.3382



17.2594, 0.4804, 0.5196



17.2594, 0.0724, 0.1815



17.2594, 0.1116, 0.1143

Sweetspot

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



17.2608, 0.6297, 0.3382



60.7296, 0.3774, 0.3398



20.5238, 0.3532, 0.1719



12.0801, 0.3899, 0.3414



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.



17.2608, 0.6297, 0.3382



22.3903, 0.6304, 0.3376



35.0797, 0.5084, 0.4345



14.6740, 0.3289, 0.3322



10.1624, 0.6280, 0.3396



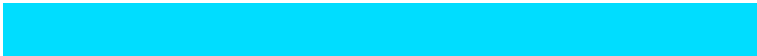
0.8504, 0.6051, 0.3577

Inverse Universe

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



45.4520, 0.2128, 0.2860



59.0607, 0.2127, 0.2857



12.3643, 0.1664, 0.1191



15.9938, 0.2982, 0.3258



26.6337, 0.2130, 0.2867



2.0589, 0.2149, 0.2934

Previews

White Background



This preview shows how the Yxy color 17.2594, 0.6298, 0.3382 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 17.2594, 0.6298, 0.3382 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 17.2594, 0.6298, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 17.2594, 0.6298, 0.3382.



This preview shows how white text looks on a background with the Yxy color 17.2594, 0.6298, 0.3382.

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

17.2594, 0.6298, 0.3382

Protanopia

17.6317, 0.4280, 0.4737

Tritanopia

17.2756, 0.6202, 0.3319

Trichromacy



Original Color

17.2594, 0.6298, 0.3382

Protanomaly

14.6477, 0.5283, 0.4055

Tritanomaly

17.2441, 0.6249, 0.3346

Monochromacy



Original Color

17.2594, 0.6298, 0.3382

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.4906, 0.4761, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2594, 0.6298, 0.3382 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(227, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 30, 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(227, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 30, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.2594, 0.6298, 0.3382 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(227, 30, 0) }
```

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

```
.border{ border-color:rgb(227, 30, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 30, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 17.2594, 0.6298, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 30, 0) }
```

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

```
.background{ background-color: rgb(227, 30,  
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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