

Converting Colors

$Y_{xy}(17.0205, 0.6266, 0.3314)$

Have a look what the booklet for
Yxy(17.0205, 0.6266, 0.3314)
contains.

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Color

Yxy(16.9874, 0.6263, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	E31712
RGB	227, 23, 18
RGB Percent	89%, 9%, 7%
CMY	0.1098, 0.9097, 0.9291
CMYK	0.00, 0.90, 0.92, 0.11
HSL	1°, 85%, 48%
HSV	1°, 92%, 89%
XYZ	32.0941, 16.9874, 2.1625
YIQ	83.4260, 123.1890, 41.6930

Conversions

Conversions Part 2

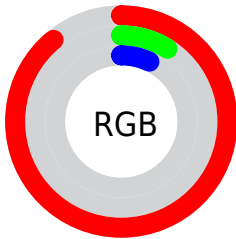
Format	Color
R_{YB}	227, 23, 18
Decimal	14882578
CIE Lab	48.24, 71.26, 56.60
CIE LCh	48, 91.007, 38.460
Yxy	16.9874, 0.6263, 0.3315
Android (android.graphics.Color)	4293072658 (0xFFE31712)
YUV	83.4260, -32.2550, 125.9144
Hunter-Lab	41.2158, 66.8678, 25.7402

Details

The Yxy color **16.9874, 0.6263, 0.3315** 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 **57.9345, 0.2237, 0.3220**, and the grayscale version is **8.7955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2146, 0.5446, 0.3537**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4476, 0.6387, 0.3310**, and if you desaturate by 10%, it is **18.3805, 0.5973, 0.3325**.

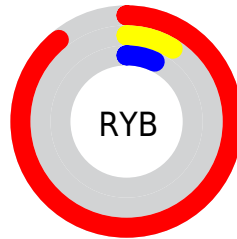
Distribution



Red (89%)

Green (9%)

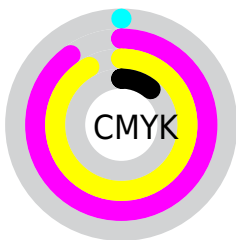
Blue (7%)



Red (89%)

Yellow (9%)

Blue (7%)

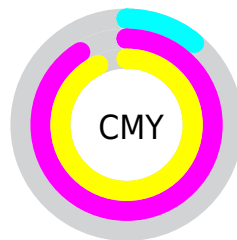


Cyan (0%)

Magenta (90%)

Yellow (92%)

Black (11%)



Cyan (11%)

Magenta (91%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9874, 0.6263, 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 16.9874, 0.6263, 0.3315 by changing the saturation by 10% instead.


 16.9874, 0.6263,
0.3315

 16.9874, 0.6263,
0.3315

235.0998, 0.4573,
0.3545

 10.2255, 0.6650,
0.3149


 38.3041, 0.5660,
0.3479

 5.5487, 0.7113,
0.2887

 53.6277, 0.5426,
0.3515

 2.5727, 0.7560,
0.2440

 72.5740, 0.5227,
0.3536

 0.9130, 0.8189,
0.1811

 95.5274, 0.5056,
0.3546

 0.0000, 1.0000,
0.0000

 122.8723, 0.4909,
0.3551

 0.0000, 0.0000,
0.0000


 154.9930, 0.4782,

0.3551


 192.2741, 0.4671,
0.3549


 16.9874, 0.6263,
0.3315


 16.9874, 0.6263,
0.3315


 16.4476, 0.6387,
0.3310

 18.3805, 0.5973,
0.3325

 20.7511, 0.5555,
0.3330

 24.2357, 0.5081,
0.3330

 28.9484, 0.4617,
0.3326

 34.9891, 0.4205,
0.3320

■ 42.4477, 0.3857,
0.3312

■ 51.4061, 0.3572,
0.3305

■ 61.9398, 0.3343,
0.3298

■ 74.1196, 0.3160,
0.3291

Harmonies

Analogous

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



16.9874, 0.5597, 0.2531



16.9874, 0.6263, 0.3315



16.9874, 0.5722, 0.4278

Triad

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



16.9874, 0.6263, 0.3315



16.9874, 0.1884, 0.5921



16.9874, 0.1276, 0.1165

Complementary

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



16.9874, 0.6263, 0.3315



57.9345, 0.2237, 0.3220

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.



16.9874, 0.0848, 0.1311



16.9874, 0.6263, 0.3315



16.9874, 0.1034, 0.3539

Square

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



16.9874, 0.6263, 0.3315



16.9874, 0.3133, 0.6546



16.9874, 0.0757, 0.1943



16.9874, 0.2216, 0.1335

Rectangle

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



16.9874, 0.6263, 0.3315



16.9874, 0.4939, 0.5061



16.9874, 0.0757, 0.1943



16.9874, 0.1088, 0.1176

Sweetspot

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



16.9885, 0.6263, 0.3315



59.5263, 0.3740, 0.3310



22.1208, 0.3247, 0.1586



11.7184, 0.3872, 0.3313



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.



16.9885, 0.6263, 0.3315



21.3916, 0.6389, 0.3309



31.2999, 0.5227, 0.4168



14.4225, 0.3292, 0.3296



9.6163, 0.6383, 0.3314



0.7301, 0.6332, 0.3354

Inverse Universe

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



57.9345, 0.2237, 0.3220



74.9338, 0.2226, 0.3214



18.8808, 0.1804, 0.1644



16.2745, 0.2982, 0.3284



33.6062, 0.2227, 0.3215



2.5021, 0.2230, 0.3226

Previews

White Background



This preview shows how the Yxy color 16.9874, 0.6263, 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 16.9874, 0.6263, 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 16.9874, 0.6263, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 16.9874, 0.6263, 0.3315.



This preview shows how white text looks on a background with the Yxy color 16.9874, 0.6263, 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

16.9874, 0.6263, 0.3315

Protanopia

17.2915, 0.4204, 0.4650

Deuteranopia

17.2629, 0.4697, 0.4652



Tritanopia

16.9782, 0.6278, 0.3323

Trichromacy



Original Color

16.9874, 0.6263, 0.3315

Protanomaly

14.1277, 0.5234, 0.3939

Deuteranomaly

14.5781, 0.5531, 0.3945

Tritanomaly

16.9811, 0.6273, 0.3321

Monochromacy



Original Color

16.9874, 0.6263, 0.3315

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.8042, 0.4710, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9874, 0.6263, 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(227, 23, 18)` looks like.

```
.text, #text, p{  
  color:rgb(227, 23, 18)  
}
```

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, 23, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 23, 18) }
```

Border

The CSS property to change the border of an element to Yxy 16.9874, 0.6263, 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(227, 23, 18) }
```

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

```
.border{ border-color:rgb(227, 23, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 23, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 23, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 23, 18);  
box-shadow:4px 4px 4px 4px rgb(227, 23,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9874, 0.6263, 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(227, 23, 18) }
```

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

```
.background{ background-color: rgb(227, 23,  
18) }
```

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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