

Converting Colors

$Y_{xy}(17.1954, 0.6255, 0.3316)$

Have a look what the booklet for
Yxy(17.1954, 0.6255, 0.3316)
contains.

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Color

Yxy(17.1943, 0.6255, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	E41813
RGB	228, 24, 19
RGB Percent	89%, 9%, 7%
CMY	0.1060, 0.9054, 0.9256
CMYK	0.00, 0.89, 0.92, 0.11
HSL	1°, 85%, 48%
HSV	1°, 92%, 89%
XYZ	32.4338, 17.1943, 2.2245
YIQ	84.4260, 123.1890, 41.6930

Conversions

Conversions Part 2

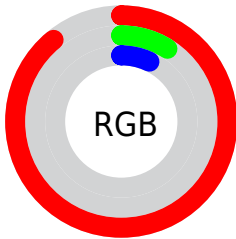
Format	Color
R_{YB}	228, 24, 19
Decimal	14948371
CIE _{Lab}	48.50, 71.37, 56.54
CIE _{LCh}	49, 91.048, 38.388
Yxy	17.1943, 0.6255, 0.3316
Android (android.graphics.Color)	4293138451 (0xFFE41813)
YUV	84.4260, -32.2550, 125.9144
Hunter-Lab	41.4660, 67.0531, 25.8456

Details

The Yxy color **17.1943, 0.6255, 0.3316** 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 **58.4262, 0.2237, 0.3218**, and the grayscale version is **9.0207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2267, 0.5437, 0.3530**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.6120, 0.6387, 0.3311**, and if you desaturate by 10%, it is **18.6378, 0.5959, 0.3326**.

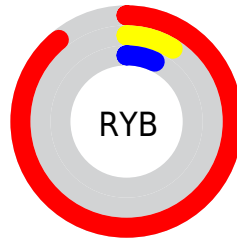
Distribution



Red (89%)

Green (9%)

Blue (7%)



Red (89%)

Yellow (9%)

Blue (7%)

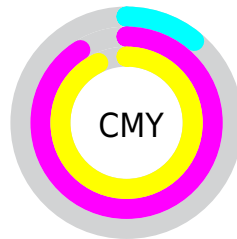


Cyan (0%)

Magenta (89%)

Yellow (92%)

Black (11%)



Cyan (11%)


Magenta (91%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1943, 0.6255, 0.3316 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 17.1943, 0.6255, 0.3316 by changing the saturation by 10% instead.


 17.1943, 0.6255,
0.3316


 17.1943, 0.6255,
0.3316


236.2896, 0.4571,
0.3543


 10.3731, 0.6639,
0.3152


 38.6595, 0.5654,
0.3478


 5.6470, 0.7106,
0.2894

 54.0724, 0.5421,
0.3514

 2.6317, 0.7549,
0.2451

 73.1179, 0.5222,
0.3534

 0.9426, 0.8173,
0.1827

 96.1805, 0.5052,
0.3545

 0.0000, 1.0000,
0.0000


 123.6446, 0.4906,
0.3549


 0.0000, 0.0000,
0.0000


 155.8945, 0.4779,

0.3550

 193.3147, 0.4668,
0.3547

 17.1943, 0.6255,
0.3316

 17.1943, 0.6255,
0.3316


 16.6120, 0.6387,
0.3311

 18.6378, 0.5959,
0.3326

 21.0734, 0.5538,
0.3331

 24.6376, 0.5063,
0.3331

 29.4450, 0.4601,
0.3327

 35.5957, 0.4191,
0.3320

■ 43.1800, 0.3845,
0.3313

■ 52.2802, 0.3563,
0.3305

■ 62.9723, 0.3336,
0.3298

■ 75.3274, 0.3154,
0.3291

Harmonies

Analogous

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



17.1943, 0.5585, 0.2532



17.1943, 0.6255, 0.3316



17.1943, 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.



17.1943, 0.6255, 0.3316



17.1943, 0.1892, 0.5914



17.1943, 0.1279, 0.1170

Complementary

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



17.1943, 0.6255, 0.3316



58.4262, 0.2237, 0.3218

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.



17.1943, 0.0851, 0.1317



17.1943, 0.6255, 0.3316



17.1943, 0.1041, 0.3545

Square

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



17.1943, 0.6255, 0.3316



17.1943, 0.3140, 0.6534



17.1943, 0.0761, 0.1950



17.1943, 0.2216, 0.1338

Rectangle

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



17.1943, 0.6255, 0.3316



17.1943, 0.4942, 0.5058



17.1943, 0.0761, 0.1950



17.1943, 0.1091, 0.1181

Sweetspot

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



17.1954, 0.6255, 0.3316



59.5511, 0.3739, 0.3310



22.3639, 0.3247, 0.1587



11.7241, 0.3872, 0.3314



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.



17.1954, 0.6255, 0.3316



21.3962, 0.6389, 0.3309



31.7059, 0.5220, 0.4170



14.4244, 0.3292, 0.3296



9.6196, 0.6382, 0.3314



0.7310, 0.6330, 0.3356

Inverse Universe

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



58.4262, 0.2237, 0.3218



74.8029, 0.2225, 0.3211



19.1700, 0.1807, 0.1651



16.2723, 0.2982, 0.3284



33.5488, 0.2226, 0.3213



2.4985, 0.2229, 0.3224

Previews

White Background



This preview shows how the Yxy color 17.1943, 0.6255, 0.3316 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 17.1943, 0.6255, 0.3316 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 17.1943, 0.6255, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 17.1943, 0.6255, 0.3316.



This preview shows how white text looks on a background with the Yxy color 17.1943, 0.6255, 0.3316.

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

17.1943, 0.6255, 0.3316

Protanopia

17.3765, 0.4210, 0.4630

Deuteranopia

17.3549, 0.4710, 0.4642



Tritanopia

17.1847, 0.6270, 0.3324

Trichromacy



Original Color

17.1943, 0.6255, 0.3316

Protanomaly

14.3924, 0.5220, 0.3940

Deuteranomaly

14.8374, 0.5523, 0.3952

Tritanomaly

17.1877, 0.6265, 0.3321

Monochromacy



Original Color

17.1943, 0.6255, 0.3316

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.0057, 0.4693, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1943, 0.6255, 0.3316 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(228, 24, 19)` looks like.

```
.text, #text, p{  
  color:rgb(228, 24, 19)  
}
```

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(228, 24, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 24, 19) }
```

Border

The CSS property to change the border of an element to Yxy 17.1943, 0.6255, 0.3316 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(228, 24, 19) }
```

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

```
.border{ border-color:rgb(228, 24, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 24, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 24, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 24, 19);  
box-shadow:4px 4px 4px 4px rgb(228, 24,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1943, 0.6255, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 24, 19) }
```

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

```
.background{ background-color: rgb(228, 24,  
19) }
```

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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