

Converting Colors

$Yxy(17.2033, 0.5825, 0.3027)$

Have a look what the booklet for
Yxy(17.2033, 0.5825, 0.3027)
contains.

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Color

Yxy(17.2173, 0.5819, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	E40F41
RGB	228, 15, 65
RGB Percent	89%, 6%, 25%
CMY	0.1059, 0.9410, 0.7451
CMYK	0.00, 0.93, 0.71, 0.11
HSL	346°, 88%, 48%
HSV	346°, 93%, 89%
XYZ	33.1198, 17.2173, 6.5796
YIQ	84.3870, 110.8980, 60.7060

Conversions

Conversions Part 2

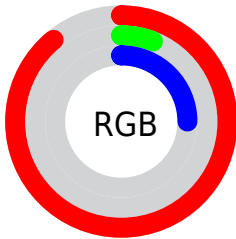
Format	Color
R_{YB}	228, 15, 65
Decimal	14946113
CIE Lab	48.53, 73.69, 32.78
CIE LCh	49, 80.651, 23.982
Yxy	17.2173, 0.5819, 0.3025
Android (android.graphics.Color)	4293136193 (0xFFE40F41)
YUV	84.3870, -9.5578, 125.9486
Hunter-Lab	41.4937, 69.8626, 19.6441

Details

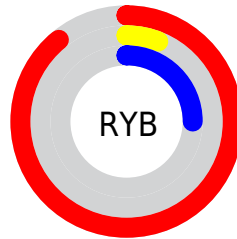
The Yxy color **17.2173, 0.5819, 0.3025** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **58.8038, 0.2458, 0.4017**, and the grayscale version is **8.9584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6367, 0.4933, 0.3128**, and **7.9544, 0.6198, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **16.7553, 0.6008, 0.3083**, and if you desaturate by 10%, it is **18.4862, 0.5472, 0.2956**.

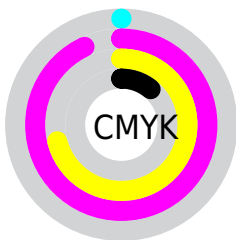
Distribution



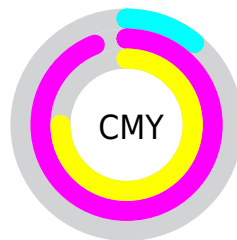
- Red (89%)
- Green (6%)
- Blue (25%)



- Red (89%)
- Yellow (6%)
- Blue (25%)



- Cyan (0%)
- Magenta (93%)
- Yellow (71%)
- Black (11%)





- Cyan (11%)
- Magenta (94%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2173, 0.5819, 0.3025 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 17.2173, 0.5819, 0.3025 by changing the saturation by 10% instead.


 17.2173, 0.5819,
0.3025


 17.2173, 0.5819,
0.3025


236.4215, 0.4288,
0.3293


 10.3895, 0.6235,
0.2895


 38.6990, 0.5229,
0.3166


 5.6580, 0.6764,
0.2685

 54.1218, 0.5016,
0.3205


 2.6383, 0.7606,
0.2394

 73.1783, 0.4840,
0.3233

 0.9459, 0.8228,
0.1772

 96.2530, 0.4693,
0.3253

 0.0000, 1.0000,
0.0000

 123.7303, 0.4568,
0.3267

 0.0000, 0.0000,
0.0000

 155.9945, 0.4461,

0.3279

193.4301, 0.4369,
0.3287

■ 17.2173, 0.5819,
0.3025

■ 17.2173, 0.5819,
0.3025

■ 16.7553, 0.6008,
0.3083

■ 18.4862, 0.5472,
0.2956

■ 20.7117, 0.5077,
0.2926

■ 24.0413, 0.4680,
0.2933

■ 28.5961, 0.4312,
0.2969

■ 34.4814, 0.3991,
0.3022

■ 41.7909, 0.3721,
0.3084

■ 50.6100, 0.3498,
0.3148

■ 61.0171, 0.3317,
0.3211

■ 73.0853, 0.3170,
0.3271

Harmonies

Analogous

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



17.2173, 0.4631, 0.2278



17.2173, 0.5819, 0.3025



17.2173, 0.5859, 0.3844

Triad

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



17.2173, 0.5819, 0.3025



17.2173, 0.2612, 0.6128



17.2173, 0.1168, 0.1349

Complementary

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



17.2173, 0.5819, 0.3025



58.8038, 0.2458, 0.4017

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.



17.2173, 0.0921, 0.1698



17.2173, 0.5819, 0.3025



17.2173, 0.1556, 0.4542

Square

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



17.2173, 0.5819, 0.3025



17.2173, 0.3854, 0.5907



17.2173, 0.1009, 0.2674



17.2173, 0.1812, 0.1364

Rectangle

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



17.2173, 0.5819, 0.3025



17.2173, 0.5388, 0.4500



17.2173, 0.1009, 0.2674



17.2173, 0.1049, 0.1417

Sweetspot

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



17.2184, 0.5819, 0.3025



59.5616, 0.3599, 0.3117



15.0305, 0.2618, 0.1238



11.7284, 0.3700, 0.3090



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.



17.2184, 0.5819, 0.3025



21.5844, 0.6021, 0.3091



20.6969, 0.5941, 0.3599



14.4231, 0.3256, 0.3235



9.6905, 0.5971, 0.3063



0.7303, 0.5561, 0.2837

Inverse Universe

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



17.2184, 0.5819, 0.3025



21.5844, 0.6021, 0.3091



36.2699, 0.2039, 0.2508



14.4231, 0.3256, 0.3235



9.6905, 0.5971, 0.3063



0.7303, 0.5561, 0.2837

Previews

White Background



This preview shows how the Yxy color 17.2173, 0.5819, 0.3025 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 17.2173, 0.5819, 0.3025 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 17.2173, 0.5819, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 17.2173, 0.5819, 0.3025.



This preview shows how white text looks on a background with the Yxy color 17.2173, 0.5819, 0.3025.

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

17.2173, 0.5819, 0.3025

Protanopia

17.5463, 0.3468, 0.3682

Deuteranopia

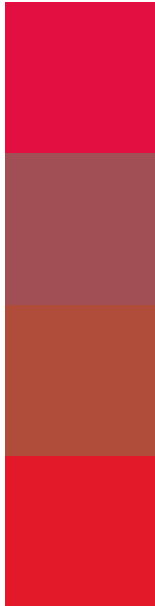
17.5645, 0.4317, 0.4247



Tritanopia

17.2798, 0.6195, 0.3315

Trichromacy



Original Color

17.2173, 0.5819, 0.3025

Protanomaly

13.8249, 0.4428, 0.3199

Deuteranomaly

14.5883, 0.5088, 0.3530

Tritanomaly

17.1374, 0.6096, 0.3225

Monochromacy



Original Color

17.2173, 0.5819, 0.3025

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.8980, 0.4352, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2173, 0.5819, 0.3025 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, 15, 65)` looks like.

```
.text, #text, p{  
    color:rgb(228, 15, 65)  
}
```

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, 15, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 15, 65) }
```

Border

The CSS property to change the border of an element to Yxy 17.2173, 0.5819, 0.3025 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, 15, 65) }
```

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

```
.border{ border-color:rgb(228, 15, 65) }
```

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

Here you see how a box with a 4 pixel rgb(228, 15, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 15, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 15, 65);  
box-shadow:4px 4px 4px 4px rgb(228, 15,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2173, 0.5819, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 15, 65) }
```

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

```
.background{ background-color: rgb(228, 15,  
65) }
```

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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