

Converting Colors

$Y_{xy}(17.3085, 0.6184, 0.3180)$

Have a look what the booklet for
Yxy(17.3085, 0.6184, 0.3180)
contains.

Yxy(17.3023, 0.6181, 0.3179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.3023, 0.6181, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	E80027
RGB	232, 0, 39
RGB Percent	91%, 0%, 15%
CMY	0.0903, 0.9993, 0.8472
CMYK	0.00, 1.00, 0.83, 0.09
HSL	350°, 100%, 46%
HSV	350°, 100%, 91%
XYZ	33.6412, 17.3023, 3.4833
YIQ	73.8140, 125.7530, 61.3130

Conversions

Conversions Part 2

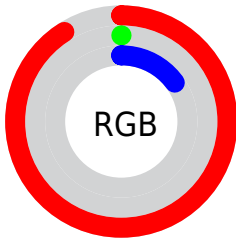
Format	Color
R_{YB}	232, 0, 39
Decimal	15204391
CIE _{Lab}	48.64, 75.07, 47.96
CIE _{LCh}	49, 89.079, 32.572
Yxy	17.3023, 0.6181, 0.3179
Android (android.graphics.Color)	4293394471 (0xFFE80027)
YUV	73.8140, -17.1633, 138.7291
Hunter-Lab	41.5960, 71.5708, 24.1522

Details

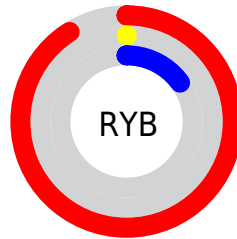
The Yxy color **17.3023, 0.6181, 0.3179** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **61.5649, 0.2399, 0.3836**, and the grayscale version is **6.8448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5862, 0.5289, 0.3347**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.2987, 0.6183, 0.3180**, and if you desaturate by 10%, it is **18.0894, 0.5907, 0.3110**.

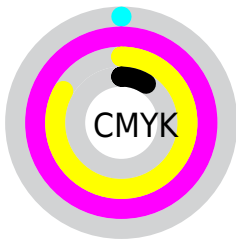
Distribution



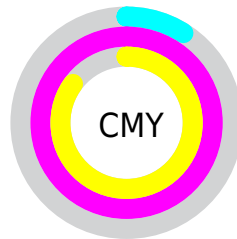
- Red (91%)
- Green (0%)
- Blue (15%)



- Red (91%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3023, 0.6181, 0.3179 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 17.3023, 0.6181, 0.3179 by changing the saturation by 10% instead.


 17.3023, 0.6181,
0.3179


 17.3023, 0.6181,
0.3179


236.9085, 0.4499,
0.3437


 10.4503, 0.6588,
0.3022


 38.8448, 0.5562,
0.3338


 5.6985, 0.7151,
0.2800

 54.3041, 0.5328,
0.3377


 2.6626, 0.7634,
0.2366

 73.4012, 0.5132,
0.3402

 0.9583, 0.8254,
0.1746

 96.5205, 0.4965,
0.3418


 0.0000, 1.0000,
0.0000


 124.0466, 0.4823,
0.3427

 0.0000, 0.0000,
0.0000


 156.3636, 0.4700,


0.3433


 193.8561, 0.4593,
0.3436

 17.3023, 0.6181,
0.3179


 17.3023, 0.6181,
0.3179


 17.2987, 0.6183,
0.3180

 18.0894, 0.5907,
0.3110

 19.6965, 0.5534,
0.3059

 22.3662, 0.5110,
0.3039

 26.2425, 0.4685,
0.3047

 31.4469, 0.4297,
0.3075

■ 38.0860, 0.3963,
0.3114

■ 46.2554, 0.3684,
0.3159

■ 56.0427, 0.3457,
0.3205

■ 67.5287, 0.3274,
0.3249

Harmonies

Analogous

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



17.3023, 0.5249, 0.2404



17.3023, 0.6181, 0.3179



17.3023, 0.5847, 0.4074

Triad

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



17.3023, 0.6181, 0.3179



17.3023, 0.2151, 0.6158



17.3023, 0.1191, 0.1201

Complementary

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



17.3023, 0.6181, 0.3179



61.5649, 0.2399, 0.3836

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.



17.3023, 0.0839, 0.1423



17.3023, 0.6181, 0.3179



17.3023, 0.1194, 0.3984

Square

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



17.3023, 0.6181, 0.3179



17.3023, 0.3425, 0.6350



17.3023, 0.0813, 0.2195



17.3023, 0.2005, 0.1310

Rectangle

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



17.3023, 0.6181, 0.3179



17.3023, 0.5177, 0.4823



17.3023, 0.0813, 0.2195



17.3023, 0.1033, 0.1233

Sweetspot

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



17.3034, 0.6181, 0.3179



57.0751, 0.3690, 0.3158



16.7102, 0.2743, 0.1285



11.2510, 0.3802, 0.3139



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.



17.3034, 0.6181, 0.3179



21.4321, 0.6192, 0.3185



21.9954, 0.5943, 0.3662



14.4072, 0.3266, 0.3251



9.6173, 0.6151, 0.3162



0.7225, 0.5776, 0.2955

Inverse Universe

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



17.3034, 0.6181, 0.3179



21.4321, 0.6192, 0.3185



30.4778, 0.1946, 0.2206



14.4072, 0.3266, 0.3251



9.6173, 0.6151, 0.3162



0.7225, 0.5776, 0.2955

Previews

White Background



This preview shows how the Yxy color 17.3023, 0.6181, 0.3179 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 17.3023, 0.6181, 0.3179 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 17.3023, 0.6181, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 17.3023, 0.6181, 0.3179.



This preview shows how white text looks on a background with the Yxy color 17.3023, 0.6181, 0.3179.

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

17.3023, 0.6181, 0.3179

Protanopia

17.7375, 0.3958, 0.4311

Deuteranopia

17.6965, 0.4662, 0.4590



Tritanopia

17.5253, 0.6343, 0.3346

Trichromacy



Original Color

17.3023, 0.6181, 0.3179



Protanomaly

13.4055, 0.5056, 0.3585



Deuteranomaly

14.1520, 0.5587, 0.3765



Tritanomaly

17.3085, 0.6320, 0.3297

Monochromacy



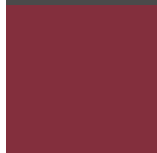
Original Color

17.3023, 0.6181, 0.3179



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.1952, 0.4748, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3023, 0.6181, 0.3179 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(232, 0, 39)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 39)  
}
```

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(232, 0, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 39) }
```

Border

The CSS property to change the border of an element to Yxy 17.3023, 0.6181, 0.3179 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(232, 0, 39) }
```

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

```
.border{ border-color:rgb(232, 0, 39) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3023, 0.6181, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 39) }
```

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

```
.background{ background-color: rgb(232, 0,  
39) }
```

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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