

Converting Colors

$Yxy(18.6159, 0.5798, 0.3092)$

Have a look what the booklet for
Yxy(18.6159, 0.5798, 0.3092)
contains.

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Color

Yxy(18.6853, 0.5794, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	E91F41
RGB	233, 31, 65
RGB Percent	91%, 12%, 25%
CMY	0.0863, 0.8783, 0.7452
CMYK	0.00, 0.87, 0.72, 0.09
HSL	350°, 82%, 52%
HSV	350°, 87%, 91%
XYZ	35.0478, 18.6853, 6.7567
YIQ	95.2740, 109.4780, 53.3980

Conversions

Conversions Part 2

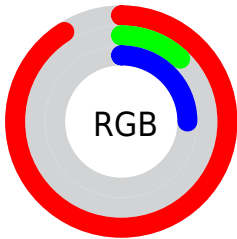
Format	Color
R_{YB}	233, 31, 65
Decimal	15277889
CIE _{Lab}	50.32, 72.70, 35.16
CIE _{LCh}	50, 80.752, 25.810
Yxy	18.6853, 0.5794, 0.3089
Android (android.graphics.Color)	4293467969 (0xFFE91F41)
YUV	95.2740, -14.9251, 120.7857
Hunter-Lab	43.2265, 69.0804, 20.9910

Details

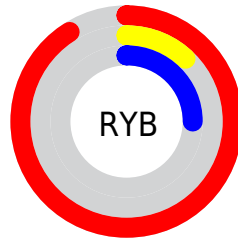
The Yxy color **18.6853, 0.5794, 0.3089** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **62.6951, 0.2400, 0.3759**, and the grayscale version is **11.5333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9550, 0.4891, 0.3191**, and **8.3867, 0.6208, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **17.6854, 0.6101, 0.3157**, and if you desaturate by 10%, it is **20.6385, 0.5398, 0.3048**.

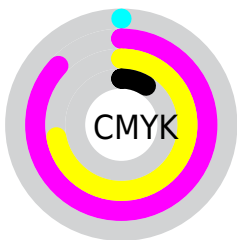
Distribution



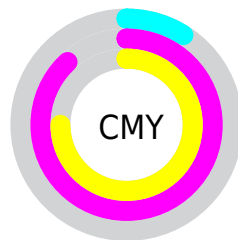
- Red (91%)
- Green (12%)
- Blue (25%)



- Red (91%)
- Yellow (12%)
- Blue (25%)



- Cyan (0%)
- Magenta (87%)
- Yellow (72%)
- Black (9%)





- Cyan (9%)
- Magenta (88%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6853, 0.5794, 0.3089 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 18.6853, 0.5794, 0.3089 by changing the saturation by 10% instead.


 18.6853, 0.5794,
0.3089


 18.6853, 0.5794,
0.3089


244.7059, 0.4296,
0.3324


 11.4431, 0.6192,
0.2969


 41.2016, 0.5223,
0.3217


 6.3657, 0.6695,
0.2775


 57.2446, 0.5015,
0.3251


 3.0687, 0.7490,
0.2510

 76.9899, 0.4842,
0.3275

 1.1677, 0.8077,
0.1923

 100.8220, 0.4697,
0.3292

 0.0351, 0.9845,
0.0155

 129.1252, 0.4574,
0.3304

 0.0000, 1.0000,
0.0000

 162.2840, 0.4468,

 0.0000, 0.0000,

0.3313

0.0000

200.6828, 0.4377,
0.3319

■ 18.6853, 0.5794,
0.3089

■ 18.6853, 0.5794,
0.3089

■ 17.6854, 0.6101,
0.3157

■ 20.6385, 0.5398,
0.3048


■ 17.4710, 0.6181,
0.3179


■ 23.7142, 0.4969,
0.3038


■ 28.0507, 0.4553,
0.3053


■ 33.7651, 0.4182,
0.3086

■ 40.9613, 0.3866,
0.3128

 49.7330, 0.3605,
0.3173

 60.1664, 0.3393,
0.3219

 72.3412, 0.3222,
0.3263

 86.3320, 0.3085,
0.3303

Harmonies

Analogous

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



18.6853, 0.4690, 0.2343



18.6853, 0.5794, 0.3089



18.6853, 0.5783, 0.3911

Triad

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



18.6853, 0.5794, 0.3089



18.6853, 0.2566, 0.6000



18.6853, 0.1226, 0.1373

Complementary

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



18.6853, 0.5794, 0.3089



62.6951, 0.2400, 0.3759

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.



18.6853, 0.0960, 0.1696



18.6853, 0.5794, 0.3089



18.6853, 0.1544, 0.4384

Square

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



18.6853, 0.5794, 0.3089



18.6853, 0.3785, 0.5904



18.6853, 0.1030, 0.2612



18.6853, 0.1893, 0.1406

Rectangle

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



18.6853, 0.5794, 0.3089



18.6853, 0.5297, 0.4559



18.6853, 0.1030, 0.2612



18.6853, 0.1099, 0.1434

Sweetspot

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



18.6865, 0.5794, 0.3089



61.6891, 0.3592, 0.3176



18.5967, 0.2807, 0.1375



12.3452, 0.3676, 0.3160



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.



18.6865, 0.5794, 0.3089



21.4334, 0.6190, 0.3184



25.6048, 0.5597, 0.3777



15.0954, 0.3266, 0.3251



9.9257, 0.6151, 0.3162



0.7916, 0.5797, 0.2967

Inverse Universe

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



18.6865, 0.5794, 0.3089



21.4334, 0.6190, 0.3184



34.5667, 0.2015, 0.2364



15.0954, 0.3266, 0.3251



9.9257, 0.6151, 0.3162



0.7916, 0.5797, 0.2967

Previews

White Background



This preview shows how the Yxy color 18.6853, 0.5794, 0.3089 looks on a white 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

Black Background



This preview shows how the Yxy color 18.6853, 0.5794, 0.3089 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6853, 0.5794, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 18.6853, 0.5794, 0.3089.

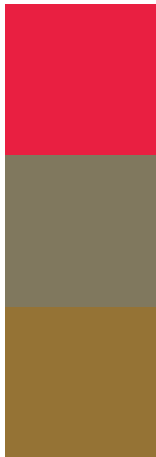


This preview shows how white text looks on a background with the Yxy color 18.6853, 0.5794, 0.3089.

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

18.6853, 0.5794, 0.3089

Protanopia

18.8303, 0.3545, 0.3784

Deuteranopia

18.9081, 0.4348, 0.4289



Tritanopia

18.6694, 0.6077, 0.3309

Trichromacy



Original Color

18.6853, 0.5794, 0.3089

Protanomaly

15.7110, 0.4458, 0.3371

Deuteranomaly

16.3394, 0.5063, 0.3639

Tritanomaly

18.5631, 0.5990, 0.3233

Monochromacy



Original Color

18.6853, 0.5794, 0.3089

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.2946, 0.4257, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6853, 0.5794, 0.3089 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(233, 31, 65)` looks like.

```
.text, #text, p{  
  color:rgb(233, 31, 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(233, 31, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 31, 65) }
```

Border

The CSS property to change the border of an element to Yxy 18.6853, 0.5794, 0.3089 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(233, 31, 65) }
```

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

```
.border{ border-color:rgb(233, 31, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 31, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 31, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 31, 65);  
box-shadow:4px 4px 4px 4px rgb(233, 31,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6853, 0.5794, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 31, 65) }
```

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

```
.background{ background-color: rgb(233, 31,  
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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