

Converting Colors

$Yxy(18.5246, 0.6154, 0.3164)$

Have a look what the booklet for
Yxy(18.5246, 0.6154, 0.3164)
contains.

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Color

Yxy(18.5251, 0.6157, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	EF002B
RGB	239, 0, 43
RGB Percent	94%, 0%, 17%
CMY	0.0628, 0.9990, 0.8314
CMYK	0.00, 1.00, 0.82, 0.06
HSL	349°, 100%, 47%
HSV	349°, 100%, 94%
XYZ	36.0262, 18.5251, 3.9613
YIQ	76.3630, 128.6410, 64.0410

Conversions

Conversions Part 2

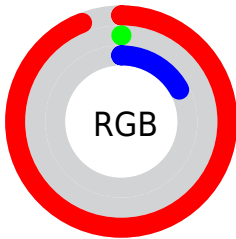
Format	Color
R_{YB}	239, 0, 43
Decimal	15663147
CIE _{Lab}	50.13, 76.82, 47.74
CIE _{LCh}	50, 90.448, 31.859
Yxy	18.5251, 0.6157, 0.3166
Android (android.graphics.Color)	4293853227 (0xFFEF002B)
YUV	76.3630, -16.4480, 142.6326
Hunter-Lab	43.0408, 74.0876, 24.6717

Details

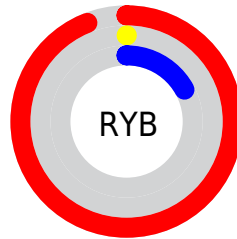
The Yxy color **18.5251, 0.6157, 0.3166** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **65.7165, 0.2411, 0.3878**, and the grayscale version is **7.3386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0036, 0.5228, 0.3331**, and **8.8842, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.5190, 0.6159, 0.3167**, and if you desaturate by 10%, it is **19.3607, 0.5879, 0.3092**.

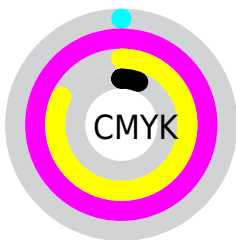
Distribution



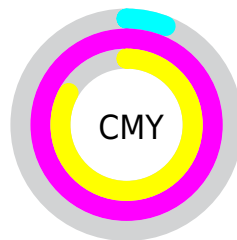
- Red (94%)
- Green (0%)
- Blue (17%)



- Red (94%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5251, 0.6157, 0.3166 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 18.5251, 0.6157, 0.3166 by changing the saturation by 10% instead.


 18.5251, 0.6157,
0.3166


 18.5251, 0.6157,
0.3166


243.8143, 0.4501,
0.3424

 11.3276, 0.6557,
0.3016


 40.9301, 0.5550,
0.3321


 6.2877, 0.7076,
0.2794


 56.9064, 0.5320,
0.3360

 3.0208, 0.7599,
0.2401

 76.5777, 0.5126,
0.3385

 1.1426, 0.8190,
0.1810

 100.3286, 0.4962,
0.3402

 0.0140, 0.9941,
0.0059

 128.5432, 0.4822,
0.3412

 0.0000, 1.0000,
0.0000

 161.6062, 0.4700,

 0.0000, 0.0000,

0.3419

0.0000

199.9017, 0.4594,
0.3422

■ 18.5251, 0.6157,
0.3166

■ 18.5251, 0.6157,
0.3166

■ 18.5190, 0.6159,
0.3167

■ 19.3607, 0.5879,
0.3092

■ 21.0775, 0.5506,
0.3040

■ 23.9314, 0.5084,
0.3020

■ 28.0771, 0.4664,
0.3029

■ 33.6448, 0.4282,
0.3059

■ 40.7490, 0.3952,
0.3102

■ 49.4923, 0.3677,
0.3150

■ 59.9686, 0.3453,
0.3199

■ 72.2646, 0.3272,
0.3246

Harmonies

Analogous

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



18.5251, 0.5197, 0.2393



18.5251, 0.6157, 0.3166



18.5251, 0.5849, 0.4049

Triad

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



18.5251, 0.6157, 0.3166



18.5251, 0.2189, 0.6165



18.5251, 0.1187, 0.1211

Complementary

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



18.5251, 0.6157, 0.3166



65.7165, 0.2411, 0.3878

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.



18.5251, 0.0843, 0.1443



18.5251, 0.6157, 0.3166



18.5251, 0.1221, 0.4036

Square

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



18.5251, 0.6157, 0.3166



18.5251, 0.3461, 0.6311



18.5251, 0.0827, 0.2232



18.5251, 0.1985, 0.1313

Rectangle

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



18.5251, 0.6157, 0.3166



18.5251, 0.5203, 0.4797



18.5251, 0.0827, 0.2232



18.5251, 0.1032, 0.1246

Sweetspot

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



18.5263, 0.6157, 0.3166



57.1144, 0.3682, 0.3149



17.8663, 0.2742, 0.1285



11.2600, 0.3792, 0.3128



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.



18.5263, 0.6157, 0.3166



21.4544, 0.6166, 0.3170



23.4957, 0.5945, 0.3660



15.8050, 0.3265, 0.3248



10.2501, 0.6127, 0.3149



0.8656, 0.5786, 0.2961

Inverse Universe

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



18.5263, 0.6157, 0.3166



21.4544, 0.6166, 0.3170



32.5625, 0.1946, 0.2204



15.8050, 0.3265, 0.3248



10.2501, 0.6127, 0.3149



0.8656, 0.5786, 0.2961

Previews

White Background



This preview shows how the Yxy color 18.5251, 0.6157, 0.3166 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 18.5251, 0.6157, 0.3166 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 18.5251, 0.6157, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 18.5251, 0.6157, 0.3166.



This preview shows how white text looks on a background with the Yxy color 18.5251, 0.6157, 0.3166.

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

18.5251, 0.6157, 0.3166

Protanopia

19.0786, 0.3913, 0.4253

Deuteranopia

19.0879, 0.4635, 0.4560



Tritanopia

18.7135, 0.6346, 0.3343

Trichromacy



Original Color

18.5251, 0.6157, 0.3166



Protanomaly

14.3942, 0.5028, 0.3538



Deuteranomaly

15.0441, 0.5551, 0.3733



Tritanomaly

18.5024, 0.6317, 0.3293

Monochromacy



Original Color

18.5251, 0.6157, 0.3166



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.8125, 0.4716, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5251, 0.6157, 0.3166 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(239, 0, 43)` looks like.

```
.text, #text, p{  
  color:rgb(239, 0, 43)  
}
```

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(239, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 43) }
```

Border

The CSS property to change the border of an element to Yxy 18.5251, 0.6157, 0.3166 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(239, 0, 43) }
```

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

```
.border{ border-color:rgb(239, 0, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 0, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(239, 0, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5251, 0.6157, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 43) }
```

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

```
.background{ background-color: rgb(239, 0,  
43) }
```

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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