

Converting Colors

$Yxy(18.1045, 0.6286, 0.3236)$

Have a look what the booklet for
Yxy(18.1045, 0.6286, 0.3236)
contains.

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Color

Yxy(18.0837, 0.6285, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	ED001B
RGB	237, 0, 27
RGB Percent	93%, 0%, 11%
CMY	0.0706, 0.9997, 0.8941
CMYK	0.00, 1.00, 0.89, 0.07
HSL	353°, 100%, 46%
HSV	353°, 100%, 93%
XYZ	35.1224, 18.0837, 2.6768
YIQ	73.9410, 132.5850, 58.6410

Conversions

Conversions Part 2

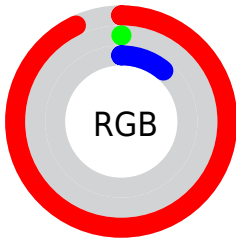
Format	Color
RYB	237, 0, 27
Decimal	15532059
CIELab	49.60, 76.05, 54.94
CIELCh	50, 93.823, 35.847
Yxy	18.0837, 0.6285, 0.3236
Android (android.graphics.Color)	4293722139 (0xFFED001B)
YUV	73.9410, -23.1419, 143.0027
Hunter-Lab	42.5249, 73.0089, 26.0354

Details

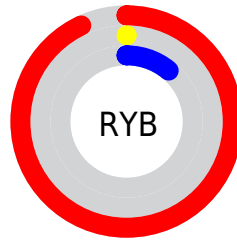
The Yxy color **18.0837, 0.6285, 0.3236** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **65.2235, 0.2348, 0.3653**, and the grayscale version is **6.8697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5967, 0.5402, 0.3444**, and **8.6579, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.0828, 0.6286, 0.3236**, and if you desaturate by 10%, it is **18.8617, 0.6044, 0.3186**.

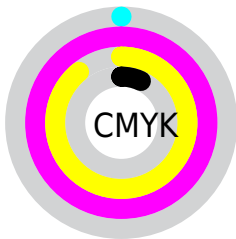
Distribution



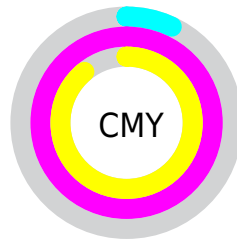
- Red (93%)
- Green (0%)
- Blue (11%)



- Red (93%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0837, 0.6285, 0.3236 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 18.0837, 0.6285, 0.3236 by changing the saturation by 10% instead.


 18.0837, 0.6285,
0.3236


 18.0837, 0.6285,
0.3236


241.3424, 0.4588,
0.3497


 11.0101, 0.6670,
0.3070


 40.1799, 0.5678,
0.3405


 6.0736, 0.7172,
0.2828

 55.9713, 0.5443,
0.3445


 2.8899, 0.7608,
0.2392

 75.4374, 0.5243,
0.3470

 1.0745, 0.8209,
0.1791

 98.9626, 0.5073,
0.3485


 0.0000, 1.0000,
0.0000

 126.9313, 0.4926,
0.3493

 0.0000, 0.0000,
0.0000


 159.7279, 0.4798,

0.3497

 197.7368, 0.4686,
0.3498


 18.0837, 0.6285,
0.3236


 18.0837, 0.6285,
0.3236

 18.0828, 0.6286,
0.3236

 18.8617, 0.6044,
0.3186

 20.5054, 0.5682,
0.3146

 23.2718, 0.5245,
0.3127

 27.3148, 0.4797,
0.3129

 32.7643, 0.4381,
0.3145

■ 39.7340, 0.4022,
0.3171

■ 48.3260, 0.3723,
0.3201

■ 58.6336, 0.3480,
0.3232

■ 70.7431, 0.3284,
0.3262

Harmonies

Analogous

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



18.0837, 0.5493, 0.2456



18.0837, 0.6285, 0.3236



18.0837, 0.5820, 0.4180

Triad

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



18.0837, 0.6285, 0.3236



18.0837, 0.1969, 0.6113



18.0837, 0.1211, 0.1153

Complementary

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



18.0837, 0.6285, 0.3236



65.2235, 0.2348, 0.3653

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.



18.0837, 0.0816, 0.1330



18.0837, 0.6285, 0.3236



18.0837, 0.1068, 0.3739

Square

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



18.0837, 0.6285, 0.3236



18.0837, 0.3241, 0.6520



18.0837, 0.0751, 0.2023



18.0837, 0.2099, 0.1297

Rectangle

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



18.0837, 0.6285, 0.3236



18.0837, 0.5051, 0.4949



18.0837, 0.0751, 0.2023



18.0837, 0.1036, 0.1173

Sweetspot

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



18.0849, 0.6285, 0.3236



56.8964, 0.3727, 0.3201



19.7233, 0.2912, 0.1378



11.2101, 0.3847, 0.3188



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.



18.0849, 0.6285, 0.3236



21.3486, 0.6291, 0.3239



25.4688, 0.5769, 0.3801



15.0819, 0.3275, 0.3264



9.8824, 0.6261, 0.3223



0.7852, 0.5975, 0.3065

Inverse Universe

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



18.0849, 0.6285, 0.3236



21.3486, 0.6291, 0.3239



26.7276, 0.1878, 0.1962



15.0819, 0.3275, 0.3264



9.8824, 0.6261, 0.3223



0.7852, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 18.0837, 0.6285, 0.3236 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 18.0837, 0.6285, 0.3236 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 18.0837, 0.6285, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 18.0837, 0.6285, 0.3236.



This preview shows how white text looks on a background with the Yxy color 18.0837, 0.6285, 0.3236.

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

18.0837, 0.6285, 0.3236

Protanopia

18.6329, 0.4122, 0.4538

Deuteranopia

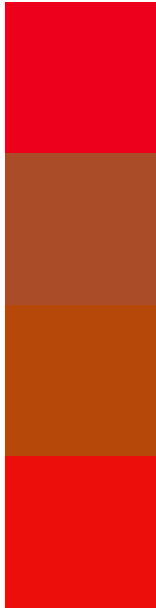
18.6139, 0.4695, 0.4654



Tritanopia

18.4067, 0.6342, 0.3347

Trichromacy



Original Color

18.0837, 0.6285, 0.3236

Protanomaly

13.9800, 0.5283, 0.3737

Deuteranomaly

14.7321, 0.5652, 0.3832

Tritanomaly

18.1689, 0.6336, 0.3307

Monochromacy



Original Color

18.0837, 0.6285, 0.3236

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.3150, 0.4879, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0837, 0.6285, 0.3236 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(237, 0, 27)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 27)  
}
```

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(237, 0, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 27) }
```

Border

The CSS property to change the border of an element to Yxy 18.0837, 0.6285, 0.3236 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(237, 0, 27) }
```

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

```
.border{ border-color:rgb(237, 0, 27) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0837, 0.6285, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 27) }
```

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

```
.background{ background-color: rgb(237, 0,  
27) }
```

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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