

Converting Colors

Yxy(18.6535, 0.5618, 0.2869)

Have a look what the booklet for
Yxy(18.6535, 0.5618, 0.2869)
contains.

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Color

Yxy(18.6291, 0.5616, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	ED0053
RGB	237, 0, 83
RGB Percent	93%, 0%, 33%
CMY	0.0705, 1.0000, 0.6745
CMYK	0.00, 1.00, 0.65, 0.07
HSL	339°, 100%, 46%
HSV	339°, 100%, 93%
XYZ	36.4915, 18.6291, 9.8571
YIQ	80.3250, 114.6090, 76.0570

Conversions

Conversions Part 2

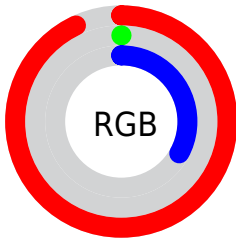
Format	Color
RYB	237, 0, 83
Decimal	15532115
CIELab	50.25, 77.84, 24.42
CIElCh	50, 81.581, 17.419
Yxy	18.6291, 0.5616, 0.2867
Android (android.graphics.Color)	4293722195 (0xFFED0053)
YUV	80.3250, 1.3188, 137.4040
Hunter-Lab	43.1614, 75.3829, 16.6725

Details

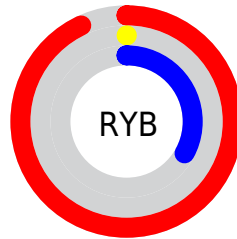
The Yxy color **18.6291, 0.5616, 0.2867** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **62.9130, 0.2583, 0.4498**, and the grayscale version is **8.0705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9314, 0.4682, 0.2931**, and **9.0307, 0.5993, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **18.6324, 0.5616, 0.2867**, and if you desaturate by 10%, it is **19.5384, 0.5318, 0.2773**.

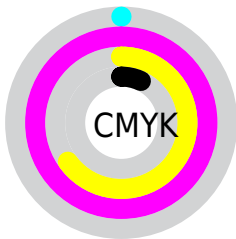
Distribution



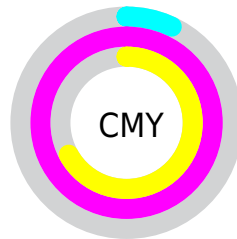
- Red (93%)
- Green (0%)
- Blue (33%)



- Red (93%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6291, 0.5616, 0.2867 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 18.6291, 0.5616, 0.2867 by changing the saturation by 10% instead.


 18.6291, 0.5616,
0.2867


 18.6291, 0.5616,
0.2867


244.3935, 0.4205,
0.3186


 11.4026, 0.6008,
0.2742


 41.1064, 0.5069,
0.3015

 6.3383, 0.6520,
0.2552


 57.1260, 0.4873,
0.3060

 3.0519, 0.7204,
0.2254

 76.8454, 0.4711,
0.3095

 1.1589, 0.8205,
0.1795

 100.6490, 0.4576,
0.3122

 0.0277, 0.9889,
0.0111

 128.9212, 0.4462,
0.3143

 0.0000, 1.0000,
0.0000

 162.0465, 0.4364,

 0.0000, 0.0000,

0.3161

0.0000

200.4091, 0.4279,
0.3175

■ 18.6291, 0.5616,
0.2867

■ 18.6291, 0.5616,
0.2867

■ 18.6324, 0.5616,
0.2867

■ 19.5384, 0.5318,
0.2773

■ 21.2838, 0.4987,
0.2722

■ 24.1183, 0.4646,
0.2722

■ 28.1900, 0.4321,
0.2763

■ 33.6235, 0.4029,
0.2833

■ 40.5282, 0.3777,
0.2920

■ 49.0022, 0.3565,
0.3015

■ 59.1351, 0.3389,
0.3111

■ 71.0095, 0.3245,
0.3203

Harmonies

Analogous

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



18.6291, 0.4258, 0.2142



18.6291, 0.5616, 0.2867



18.6291, 0.5914, 0.3662

Triad

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



18.6291, 0.5616, 0.2867



18.6291, 0.2892, 0.6180



18.6291, 0.1103, 0.1407

Complementary

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



18.6291, 0.5616, 0.2867



62.9130, 0.2583, 0.4498

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.



18.6291, 0.0930, 0.1863



18.6291, 0.5616, 0.2867



18.6291, 0.1772, 0.4970

Square

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



18.6291, 0.5616, 0.2867



18.6291, 0.4130, 0.5682



18.6291, 0.1104, 0.3018



18.6291, 0.1645, 0.1353

Rectangle

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



18.6291, 0.5616, 0.2867



18.6291, 0.5548, 0.4271



18.6291, 0.1104, 0.3018



18.6291, 0.1009, 0.1505

Sweetspot

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



18.6324, 0.5616, 0.2867



57.7220, 0.3567, 0.3014



12.6102, 0.2293, 0.1037



11.4007, 0.3652, 0.2973



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.



18.6324, 0.5616, 0.2867



21.9864, 0.5626, 0.2873



19.0196, 0.6299, 0.3381



15.1412, 0.3238, 0.3208



10.1932, 0.5573, 0.2844



0.8181, 0.5188, 0.2631

Inverse Universe

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



18.6324, 0.5616, 0.2867



21.9864, 0.5626, 0.2873



49.9778, 0.2127, 0.2856



15.1412, 0.3238, 0.3208



10.1932, 0.5573, 0.2844



0.8181, 0.5188, 0.2631

Previews

White Background



This preview shows how the Yxy color 18.6291, 0.5616, 0.2867 looks on a white background.

Color Contrast Check

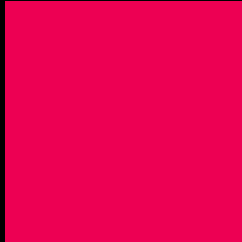
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6291, 0.5616, 0.2867 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 18.6291, 0.5616, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 18.6291, 0.5616, 0.2867.



This preview shows how white text looks on a background with the Yxy color 18.6291, 0.5616, 0.2867.

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

18.6291, 0.5616, 0.2867

Protanopia

19.2908, 0.3140, 0.3271

Deuteranopia

19.1617, 0.4102, 0.4041



Tritanopia

18.8436, 0.6158, 0.3312

Trichromacy



Original Color

18.6291, 0.5616, 0.2867



Protanomaly

14.2830, 0.4068, 0.2811



Deuteranomaly

15.1227, 0.4880, 0.3269



Tritanomaly

18.5909, 0.6040, 0.3171

Monochromacy



Original Color

18.6291, 0.5616, 0.2867



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.2801, 0.4334, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6291, 0.5616, 0.2867 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 83) }
```

Border

The CSS property to change the border of an element to Yxy 18.6291, 0.5616, 0.2867 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, 83) }
```

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

```
.border{ border-color:rgb(237, 0, 83) }
```

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, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.6291, 0.5616, 0.2867 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, 83) }
```

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

```
.background{ background-color: rgb(237, 0,  
83) }
```

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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