

Converting Colors

$Y_{xy}(18.5257, 0.5758, 0.2945)$

Have a look what the booklet for
Yxy(18.5257, 0.5758, 0.2945)
contains.

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Color

Yxy(18.4989, 0.5758, 0.2946)

Conversions

Conversions Part 1

Format	Color
Hex	ED004A
RGB	237, 0, 74
RGB Percent	93%, 0%, 29%
CMY	0.0707, 0.9992, 0.7099
CMYK	0.00, 1.00, 0.69, 0.07
HSL	341°, 100%, 47%
HSV	341°, 100%, 93%
XYZ	36.1564, 18.4989, 8.1380
YIQ	79.2990, 117.4980, 73.2580

Conversions

Conversions Part 2

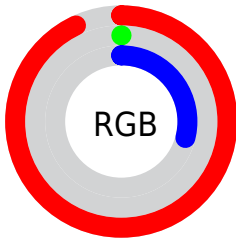
Format	Color
RYB	237, 0, 74
Decimal	15532106
CIELab	50.10, 77.39, 29.71
CIElCh	50, 82.899, 21.003
Yxy	18.4989, 0.5758, 0.2946
Android (android.graphics.Color)	4293722186 (0xFFED004A)
YUV	79.2990, -2.6124, 138.3038
Hunter-Lab	43.0103, 74.7868, 18.8890

Details

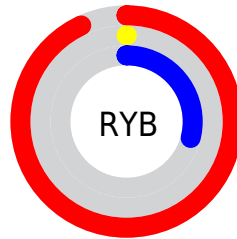
The Yxy color **18.4989, 0.5758, 0.2946** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **63.2123, 0.2543, 0.4356**, and the grayscale version is **7.8894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6705, 0.4818, 0.3031**, and **8.8696, 0.6115, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **18.4939, 0.5760, 0.2947**, and if you desaturate by 10%, it is **19.3938, 0.5455, 0.2851**.

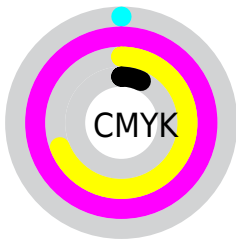
Distribution



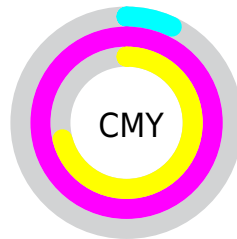
- Red (93%)
- Green (0%)
- Blue (29%)



- Red (93%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4989, 0.5758, 0.2946 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 18.4989, 0.5758, 0.2946 by changing the saturation by 10% instead.


 18.4989, 0.5758,
0.2946


 18.4989, 0.5758,
0.2946


243.6683, 0.4272,
0.3242


 11.3088, 0.6162,
0.2818


 40.8856, 0.5186,
0.3091

 6.2749, 0.6680,
0.2620


 56.8510, 0.4980,
0.3134


 3.0130, 0.7412,
0.2322

 76.5102, 0.4809,
0.3165

 1.1385, 0.8205,
0.1795

 100.2477, 0.4666,
0.3189

 0.0106, 0.9956,
0.0044

 128.4479, 0.4545,
0.3208

 0.0000, 1.0000,
0.0000

 161.4951, 0.4441,

 0.0000, 0.0000,

0.3222

0.0000

199.7738, 0.4351,
0.3233

■ 18.4989, 0.5758,
0.2946

■ 18.4989, 0.5758,
0.2946

■ 18.4939, 0.5760,
0.2947

■ 19.3938, 0.5455,
0.2851

■ 21.1359, 0.5107,
0.2797

■ 23.9737, 0.4744,
0.2790

■ 28.0557, 0.4396,
0.2823

■ 33.5070, 0.4084,
0.2884

■ 40.4371, 0.3815,
0.2962

■ 48.9447, 0.3589,
0.3046

■ 59.1195, 0.3402,
0.3131

■ 71.0447, 0.3250,
0.3213

Harmonies

Analogous

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



18.4989, 0.4475, 0.2206



18.4989, 0.5758, 0.2946



18.4989, 0.5910, 0.3755

Triad

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



18.4989, 0.5758, 0.2946



18.4989, 0.2729, 0.6196



18.4989, 0.1124, 0.1360

Complementary

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



18.4989, 0.5758, 0.2946



63.2123, 0.2543, 0.4356

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.



18.4989, 0.0910, 0.1756



18.4989, 0.5758, 0.2946



18.4989, 0.1636, 0.4758

Square

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



18.4989, 0.5758, 0.2946



18.4989, 0.3978, 0.5824



18.4989, 0.1035, 0.2818



18.4989, 0.1722, 0.1345

Rectangle

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



18.4989, 0.5758, 0.2946



18.4989, 0.5476, 0.4391



18.4989, 0.1035, 0.2818



18.4989, 0.1016, 0.1441

Sweetspot

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



18.5001, 0.5758, 0.2946



57.5802, 0.3593, 0.3044



13.7994, 0.2412, 0.1102



11.3676, 0.3684, 0.3008



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.



18.5001, 0.5758, 0.2946



21.8310, 0.5770, 0.2952



19.7746, 0.6225, 0.3438



15.1313, 0.3244, 0.3217



10.1193, 0.5718, 0.2923



0.8114, 0.5325, 0.2707

Inverse Universe

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



18.5001, 0.5758, 0.2946



21.8310, 0.5770, 0.2952



44.5087, 0.2079, 0.2683



15.1313, 0.3244, 0.3217



10.1193, 0.5718, 0.2923



0.8114, 0.5325, 0.2707

Previews

White Background



This preview shows how the Yxy color 18.4989, 0.5758, 0.2946 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 18.4989, 0.5758, 0.2946 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 18.4989, 0.5758, 0.2946

Background



This preview shows how black text looks on a background with the Yxy color 18.4989, 0.5758, 0.2946.



This preview shows how white text looks on a background with the Yxy color 18.4989, 0.5758, 0.2946.

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

18.4989, 0.5758, 0.2946

Protanopia

18.9727, 0.3334, 0.3499

Deuteranopia

18.9162, 0.4229, 0.4158



Tritanopia

18.8316, 0.6207, 0.3318

Trichromacy



Original Color

18.4989, 0.5758, 0.2946



Protanomaly

14.1204, 0.4321, 0.2988



Deuteranomaly

14.8736, 0.5038, 0.3373



Tritanomaly

18.4730, 0.6108, 0.3200

Monochromacy



Original Color

18.4989, 0.5758, 0.2946



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

8.0513, 0.4418, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4989, 0.5758, 0.2946 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 74) }
```

Border

The CSS property to change the border of an element to Yxy 18.4989, 0.5758, 0.2946 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, 74) }
```

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

```
.border{ border-color:rgb(237, 0, 74) }
```

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, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.4989, 0.5758, 0.2946 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, 74) }
```

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

```
.background{ background-color: rgb(237, 0,  
74) }
```

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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