

Converting Colors

$Y_{xy}(12.4183, 0.6201, 0.2315)$

Have a look what the booklet for
Yxy(12.4183, 0.6201, 0.2315)
contains.

Yxy(18.5690, 0.5680, 0.2903)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.5690, 0.5680, 0.2903)

Conversions

Conversions Part 1

Format	Color
Hex	ED004F
RGB	237, 0, 79
RGB Percent	93%, 0%, 31%
CMY	0.0707, 0.9993, 0.6902
CMYK	0.00, 1.00, 0.67, 0.07
HSL	340°, 100%, 47%
HSV	340°, 100%, 93%
XYZ	36.3320, 18.5690, 9.0638
YIQ	79.8690, 115.8930, 74.8130

Conversions

Conversions Part 2

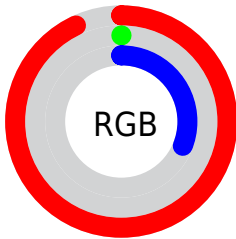
Format	Color
RYB	237, 0, 79
Decimal	15532111
CIELab	50.18, 77.62, 26.78
CIELCh	50, 82.106, 19.033
Yxy	18.5690, 0.5680, 0.2903
Android (android.graphics.Color)	4293722191 (0xFFED004F)
YUV	79.8690, -0.4284, 137.8039
Hunter-Lab	43.0918, 75.0885, 17.6933

Details

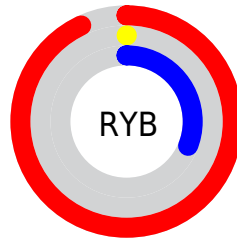
The Yxy color **18.5690, 0.5680, 0.2903** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **63.0352, 0.2565, 0.4433**, and the grayscale version is **8.0006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8239, 0.4737, 0.2971**, and **8.8980, 0.6038, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **18.5642, 0.5682, 0.2904**, and if you desaturate by 10%, it is **19.4730, 0.5379, 0.2808**.

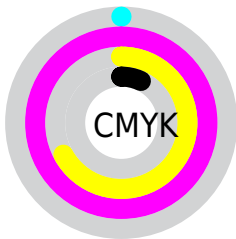
Distribution



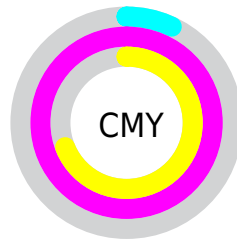
- Red (93%)
- Green (0%)
- Blue (31%)



- Red (93%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (7%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5690, 0.5680, 0.2903 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 18.5690, 0.5680, 0.2903 by changing the saturation by 10% instead.


 18.5690, 0.5680,
0.2903


 18.5690, 0.5680,
0.2903


244.0590, 0.4235,
0.3211


 11.3593, 0.6078,
0.2777


 41.0045, 0.5121,
0.3049


 6.3090, 0.6594,
0.2584


 56.9991, 0.4920,
0.3094


 3.0339, 0.7294,
0.2284

 76.6908, 0.4755,
0.3127

 1.1494, 0.8205,
0.1795

 100.4639, 0.4616,
0.3152

 0.0198, 0.9919,
0.0081

 128.7029, 0.4499,
0.3172

 0.0000, 1.0000,
0.0000

 161.7921, 0.4398,

 0.0000, 0.0000,

0.3188

0.0000

200.1160, 0.4311,
0.3201

■ 18.5690, 0.5680,
0.2903

■ 18.5690, 0.5680,
0.2903

■ 18.5642, 0.5682,
0.2904

■ 19.4730, 0.5379,
0.2808

■ 21.2211, 0.5040,
0.2756

■ 24.0619, 0.4689,
0.2753

■ 28.1432, 0.4354,
0.2790

■ 33.5900, 0.4053,
0.2857

■ 40.5116, 0.3793,
0.2939

■ 49.0061, 0.3575,
0.3029

■ 59.1633, 0.3394,
0.3120

■ 71.0660, 0.3247,
0.3208

Harmonies

Analogous

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



18.5690, 0.4354, 0.2171



18.5690, 0.5680, 0.2903



18.5690, 0.5913, 0.3703

Triad

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



18.5690, 0.5680, 0.2903



18.5690, 0.2820, 0.6188



18.5690, 0.1113, 0.1386

Complementary

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



18.5690, 0.5680, 0.2903



63.0352, 0.2565, 0.4433

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.



18.5690, 0.0921, 0.1815



18.5690, 0.5680, 0.2903



18.5690, 0.1711, 0.4876

Square

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



18.5690, 0.5680, 0.2903



18.5690, 0.4063, 0.5745



18.5690, 0.1073, 0.2928



18.5690, 0.1679, 0.1350

Rectangle

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



18.5690, 0.5680, 0.2903



18.5690, 0.5515, 0.4324



18.5690, 0.1073, 0.2928



18.5690, 0.1013, 0.1476

Sweetspot

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



18.5702, 0.5680, 0.2903



57.6577, 0.3579, 0.3027



13.3920, 0.2372, 0.1081



11.3857, 0.3666, 0.2989



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.



18.5702, 0.5680, 0.2903



21.9136, 0.5692, 0.2909



19.4966, 0.6252, 0.3417



15.1367, 0.3241, 0.3212



10.1587, 0.5639, 0.2880



0.8150, 0.5250, 0.2666

Inverse Universe

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



18.5702, 0.5680, 0.2903



21.9136, 0.5692, 0.2909



46.2829, 0.2095, 0.2741



15.1367, 0.3241, 0.3212



10.1587, 0.5639, 0.2880



0.8150, 0.5250, 0.2666

Previews

White Background



This preview shows how the Yxy color 18.5690, 0.5680, 0.2903 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 18.5690, 0.5680, 0.2903 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 18.5690, 0.5680, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 18.5690, 0.5680, 0.2903.



This preview shows how white text looks on a background with the Yxy color 18.5690, 0.5680, 0.2903.

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

18.5690, 0.5680, 0.2903

Protanopia

19.2208, 0.3223, 0.3384

Deuteranopia

18.9747, 0.4172, 0.4083



Tritanopia

18.9497, 0.6179, 0.3315

Trichromacy



Original Color

18.5690, 0.5680, 0.2903



Protanomaly

14.2864, 0.4173, 0.2891



Deuteranomaly

14.9363, 0.4956, 0.3308



Tritanomaly

18.5384, 0.6065, 0.3180

Monochromacy



Original Color

18.5690, 0.5680, 0.2903



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.2652, 0.4357, 0.2781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5690, 0.5680, 0.2903 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 79) }
```

Border

The CSS property to change the border of an element to Yxy 18.5690, 0.5680, 0.2903 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, 79) }
```

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

```
.border{ border-color:rgb(237, 0, 79) }
```

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, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5690, 0.5680, 0.2903 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, 79) }
```

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

```
.background{ background-color: rgb(237, 0,  
79) }
```

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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