

Converting Colors

$Y_{xy}(19.1191, 0.5611, 0.2865)$

Have a look what the booklet for
Yxy(19.1191, 0.5611, 0.2865)
contains.

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Color

Yxy(19.1654, 0.5618, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	F00054
RGB	240, 0, 84
RGB Percent	94%, 0%, 33%
CMY	0.0589, 0.9990, 0.6706
CMYK	0.00, 1.00, 0.65, 0.06
HSL	339°, 100%, 47%
HSV	339°, 100%, 94%
XYZ	37.5292, 19.1654, 10.1071
YIQ	81.3360, 116.0760, 77.0040

Conversions

Conversions Part 2

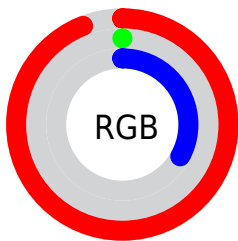
Format	Color
RYB	240, 0, 84
Decimal	15728724
CIELab	50.88, 78.54, 24.75
CIELCh	51, 82.347, 17.494
Yxy	19.1654, 0.5618, 0.2869
Android (android.graphics.Color)	4293918804 (0xFFFF0054)
YUV	81.3360, 1.3134, 139.1483
Hunter-Lab	43.7783, 76.4080, 16.9565

Details

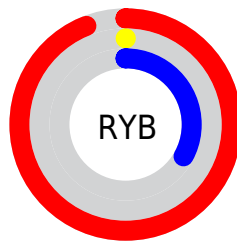
The Yxy color **19.1654, 0.5618, 0.2869** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **64.7160, 0.2582, 0.4495**, and the grayscale version is **8.3085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1379, 0.4663, 0.2929**, and **9.2672, 0.5986, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **19.1583, 0.5621, 0.2870**, and if you desaturate by 10%, it is **20.0974, 0.5320, 0.2774**.

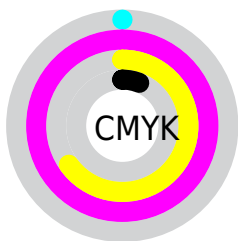
Distribution



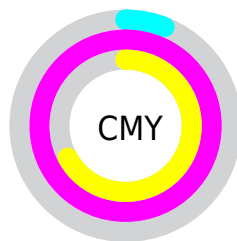
- Red (94%)
- Green (0%)
- Blue (33%)



- Red (94%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1654, 0.5618, 0.2869 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 19.1654, 0.5618, 0.2869 by changing the saturation by 10% instead.

 19.1654, 0.5618,
0.2869


 19.1654, 0.5618,
0.2869


247.3603, 0.4212,
0.3187


 11.7899, 0.6006,
0.2745


 42.0134, 0.5074,
0.3016


 6.6007, 0.6512,
0.2558


 58.2546, 0.4879,
0.3061


 3.2137, 0.7181,
0.2265

 78.2199, 0.4718,
0.3095

 1.2443, 0.8178,
0.1822

 102.2936, 0.4583,
0.3122

 0.0974, 0.9643,
0.0357

 130.8601, 0.4469,
0.3144

 0.0000, 1.0000,
0.0000

 164.3038, 0.4371,

 0.0000, 0.0000,

0.3161

0.0000

203.0091, 0.4286,
0.3175

■ 19.1654, 0.5618,
0.2869

■ 19.1654, 0.5618,
0.2869

■ 19.1583, 0.5621,
0.2870

■ 20.0974, 0.5320,
0.2774

■ 21.8987, 0.4988,
0.2724

■ 24.8227, 0.4646,
0.2723

■ 29.0218, 0.4321,
0.2765

■ 34.6246, 0.4029,
0.2835

■ 41.7434, 0.3776,
0.2922

■ 50.4795, 0.3564,
0.3017

■ 60.9250, 0.3388,
0.3112

■ 73.1652, 0.3244,
0.3204

Harmonies

Analogous

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



19.1654, 0.4262, 0.2144



19.1654, 0.5618, 0.2869



19.1654, 0.5913, 0.3664

Triad

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



19.1654, 0.5618, 0.2869



19.1654, 0.2889, 0.6179



19.1654, 0.1104, 0.1407

Complementary

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



19.1654, 0.5618, 0.2869



64.7160, 0.2582, 0.4495

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.



19.1654, 0.0930, 0.1861



19.1654, 0.5618, 0.2869



19.1654, 0.1770, 0.4965

Square

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



19.1654, 0.5618, 0.2869



19.1654, 0.4126, 0.5683



19.1654, 0.1103, 0.3014



19.1654, 0.1647, 0.1353

Rectangle

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



19.1654, 0.5618, 0.2869



19.1654, 0.5545, 0.4273



19.1654, 0.1103, 0.3014



19.1654, 0.1010, 0.1504

Sweetspot

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



19.1666, 0.5618, 0.2869



57.7186, 0.3568, 0.3015



13.3709, 0.2332, 0.1059



11.3999, 0.3653, 0.2974



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.



19.1666, 0.5618, 0.2869



21.9825, 0.5629, 0.2875



19.7965, 0.6276, 0.3398



15.8500, 0.3238, 0.3208



10.5127, 0.5579, 0.2847



0.8927, 0.5213, 0.2645

Inverse Universe

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



19.1666, 0.5618, 0.2869



21.9825, 0.5629, 0.2875



49.4859, 0.2111, 0.2799



15.8500, 0.3238, 0.3208



10.5127, 0.5579, 0.2847



0.8927, 0.5213, 0.2645

Previews

White Background



This preview shows how the Yxy color 19.1654, 0.5618, 0.2869 looks on a white background.

Color Contrast Check

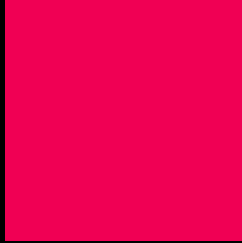
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1654, 0.5618, 0.2869 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 19.1654, 0.5618, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 19.1654, 0.5618, 0.2869.



This preview shows how white text looks on a background with the Yxy color 19.1654, 0.5618, 0.2869.

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

19.1654, 0.5618, 0.2869

Protanopia

19.7091, 0.3153, 0.3272

Deuteranopia

19.5932, 0.4108, 0.4033



Tritanopia

19.4149, 0.6159, 0.3316

Trichromacy



Original Color

19.1654, 0.5618, 0.2869



Protanomaly

14.7684, 0.4090, 0.2820



Deuteranomaly

15.5131, 0.4878, 0.3269



Tritanomaly

19.1548, 0.6036, 0.3171

Monochromacy



Original Color

19.1654, 0.5618, 0.2869



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.5541, 0.4339, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1654, 0.5618, 0.2869 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(240, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 84)  
}
```

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(240, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 84) }
```

Border

The CSS property to change the border of an element to Yxy 19.1654, 0.5618, 0.2869 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(240, 0, 84) }
```

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

```
.border{ border-color:rgb(240, 0, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.1654, 0.5618, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 84) }
```

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

```
.background{ background-color: rgb(240, 0,  
84) }
```

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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