

Converting Colors

$Y_{xy}(18.9979, 0.5738, 0.2935)$

Have a look what the booklet for
Yxy(18.9979, 0.5738, 0.2935)
contains.

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Color

Yxy(19.0471, 0.5744, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	F0004C
RGB	240, 0, 76
RGB Percent	94%, 0%, 30%
CMY	0.0588, 0.9996, 0.7021
CMYK	0.00, 1.00, 0.68, 0.06
HSL	341°, 100%, 47%
HSV	341°, 100%, 94%
XYZ	37.2384, 19.0471, 8.5446
YIQ	80.4240, 118.6440, 74.5160

Conversions

Conversions Part 2

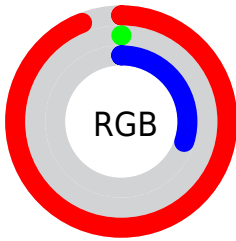
Format	Color
RYB	240, 0, 76
Decimal	15728716
CIELab	50.74, 78.18, 29.45
CIELCh	51, 83.544, 20.638
Yxy	19.0471, 0.5744, 0.2938
Android (android.graphics.Color)	4293918796 (0xFFFF004C)
YUV	80.4240, -2.1810, 139.9482
Hunter-Lab	43.6430, 75.9302, 18.9420

Details

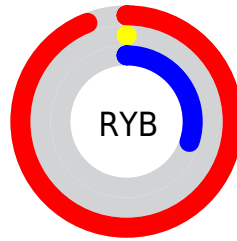
The Yxy color **19.0471, 0.5744, 0.2938** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **65.0047, 0.2548, 0.4374**, and the grayscale version is **8.1063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8997, 0.4786, 0.3020**, and **9.2238, 0.6096, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **19.0454, 0.5745, 0.2938**, and if you desaturate by 10%, it is **19.9613, 0.5441, 0.2843**.

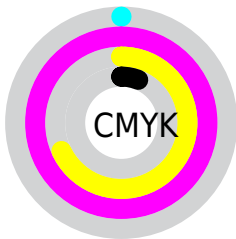
Distribution



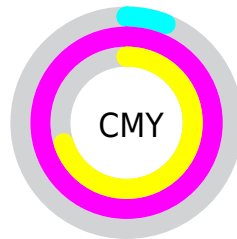
- Red (94%)
- Green (0%)
- Blue (30%)



- Red (94%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (6%)



- Cyan (6%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0471, 0.5744, 0.2938 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 19.0471, 0.5744, 0.2938 by changing the saturation by 10% instead.


 19.0471, 0.5744,
0.2938


 19.0471, 0.5744,
0.2938


246.7087, 0.4272,
0.3236


 11.7043, 0.6142,
0.2812


 41.8137, 0.5179,
0.3083


 6.5427, 0.6654,
0.2618


 58.0063, 0.4974,
0.3125

 3.1778, 0.7355,
0.2322

 77.9175, 0.4805,
0.3157

 1.2252, 0.8179,
0.1821

 101.9320, 0.4663,
0.3181

 0.0822, 0.9692,
0.0308

 130.4339, 0.4543,
0.3200

 0.0000, 1.0000,
0.0000

 163.8077, 0.4440,

 0.0000, 0.0000,

0.3215

0.0000

202.4378, 0.4350,
0.3226

■ 19.0471, 0.5744,
0.2938

■ 19.0471, 0.5744,
0.2938

■ 19.0454, 0.5745,
0.2938

■ 19.9613, 0.5441,
0.2843

■ 21.7459, 0.5095,
0.2788

■ 24.6573, 0.4735,
0.2782

■ 28.8487, 0.4390,
0.2816

■ 34.4492, 0.4079,
0.2878

■ 41.5719, 0.3812,
0.2956

■ 50.3184, 0.3587,
0.3042

■ 60.7814, 0.3402,
0.3128

■ 73.0466, 0.3250,
0.3212

Harmonies

Analogous

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



19.0471, 0.4452, 0.2200



19.0471, 0.5744, 0.2938



19.0471, 0.5911, 0.3745

Triad

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



19.0471, 0.5744, 0.2938



19.0471, 0.2746, 0.6195



19.0471, 0.1122, 0.1365

Complementary

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



19.0471, 0.5744, 0.2938



65.0047, 0.2548, 0.4374

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.



19.0471, 0.0912, 0.1767



19.0471, 0.5744, 0.2938



19.0471, 0.1650, 0.4780

Square

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



19.0471, 0.5744, 0.2938



19.0471, 0.3993, 0.5809



19.0471, 0.1042, 0.2838



19.0471, 0.1713, 0.1346

Rectangle

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



19.0471, 0.5744, 0.2938



19.0471, 0.5483, 0.4378



19.0471, 0.1042, 0.2838



19.0471, 0.1015, 0.1447

Sweetspot

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



19.0483, 0.5744, 0.2938



57.5973, 0.3590, 0.3040



14.1887, 0.2411, 0.1102



11.3716, 0.3680, 0.3004



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.



19.0483, 0.5744, 0.2938



21.8488, 0.5753, 0.2943



20.3322, 0.6227, 0.3437



15.8412, 0.3243, 0.3216



10.4472, 0.5703, 0.2915



0.8865, 0.5331, 0.2711

Inverse Universe

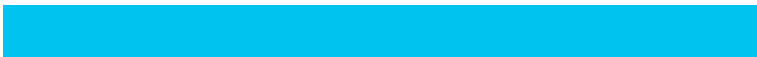
The Inverse Universe completely reimagines the original color for something new.



19.0483, 0.5744, 0.2938



21.8488, 0.5753, 0.2943



45.7787, 0.2079, 0.2683



15.8412, 0.3243, 0.3216



10.4472, 0.5703, 0.2915



0.8865, 0.5331, 0.2711

Previews

White Background



This preview shows how the Yxy color 19.0471, 0.5744, 0.2938 looks on a white background.

Color Contrast Check

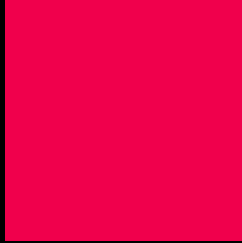
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0471, 0.5744, 0.2938 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 19.0471, 0.5744, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 19.0471, 0.5744, 0.2938.



This preview shows how white text looks on a background with the Yxy color 19.0471, 0.5744, 0.2938.

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

19.0471, 0.5744, 0.2938

Protanopia

19.6009, 0.3306, 0.3477

Deuteranopia

19.5883, 0.4213, 0.4149



Tritanopia

19.4053, 0.6202, 0.3318

Trichromacy



Original Color

19.0471, 0.5744, 0.2938



Protanomaly

14.6745, 0.4283, 0.2975



Deuteranomaly

15.3945, 0.5029, 0.3359



Tritanomaly

19.0329, 0.6103, 0.3200

Monochromacy



Original Color

19.0471, 0.5744, 0.2938



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.3354, 0.4399, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0471, 0.5744, 0.2938 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 76) }
```

Border

The CSS property to change the border of an element to Yxy 19.0471, 0.5744, 0.2938 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, 76) }
```

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

```
.border{ border-color:rgb(240, 0, 76) }
```

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, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.0471, 0.5744, 0.2938 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, 76) }
```

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

```
.background{ background-color: rgb(240, 0,  
76) }
```

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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