

Converting Colors

$Yxy(18.9906, 0.5803, 0.2970)$

Have a look what the booklet for
Yxy(18.9906, 0.5803, 0.2970)
contains.

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Color

Yxy(18.9931, 0.5803, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	F00048
RGB	240, 0, 72
RGB Percent	94%, 0%, 28%
CMY	0.0588, 1.0000, 0.7175
CMYK	0.00, 1.00, 0.70, 0.06
HSL	342°, 100%, 47%
HSV	342°, 100%, 94%
XYZ	37.1101, 18.9931, 7.8466
YIQ	79.9680, 119.9280, 73.2720

Conversions

Conversions Part 2

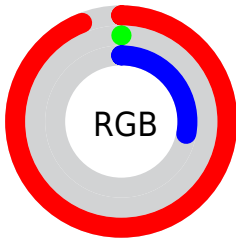
Format	Color
RYB	240, 0, 72
Decimal	15728712
CIELab	50.68, 78.03, 31.74
CIElCh	51, 84.241, 22.131
Yxy	18.9931, 0.5803, 0.2970
Android (android.graphics.Color)	4293918792 (0xFFFF0048)
YUV	79.9680, -3.9282, 140.3481
Hunter-Lab	43.5811, 75.7292, 19.8318

Details

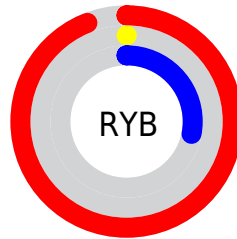
The Yxy color **18.9931, 0.5803, 0.2970** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **65.1565, 0.2532, 0.4315**, and the grayscale version is **8.0074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6215, 0.4845, 0.3051**, and **9.2027, 0.6152, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **18.9965, 0.5803, 0.2970**, and if you desaturate by 10%, it is **19.9000, 0.5500, 0.2875**.

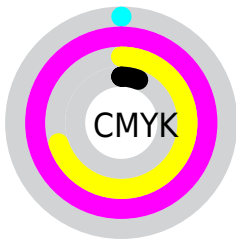
Distribution



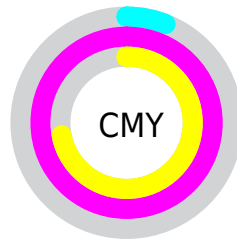
- Red (94%)
- Green (0%)
- Blue (28%)



- Red (94%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9931, 0.5803, 0.2970 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 18.9931, 0.5803, 0.2970 by changing the saturation by 10% instead.


 18.9931, 0.5803,
0.2970


 18.9931, 0.5803,
0.2970


246.4107, 0.4301,
0.3260

 11.6653, 0.6205,
0.2842


 41.7224, 0.5229,
0.3114

 6.5162, 0.6717,
0.2644


 57.8928, 0.5020,
0.3156


 3.1614, 0.7445,
0.2351

 77.7794, 0.4847,
0.3187

 1.2166, 0.8180,
0.1820

 101.7667, 0.4702,
0.3210

 0.0752, 0.9715,
0.0285

 130.2391, 0.4579,
0.3227

 0.0000, 1.0000,
0.0000

 163.5809, 0.4473,

 0.0000, 0.0000,

0.3241

0.0000

202.1767, 0.4381,
0.3251

■ 18.9931, 0.5803,
0.2970

■ 18.9931, 0.5803,
0.2970

■ 18.9965, 0.5803,
0.2970

■ 19.9000, 0.5500,
0.2875

■ 21.6753, 0.5148,
0.2819

■ 24.5793, 0.4779,
0.2810

■ 28.7658, 0.4424,
0.2840

■ 34.3643, 0.4104,
0.2899

■ 41.4880, 0.3829,
0.2973

■ 50.2389, 0.3598,
0.3054

■ 60.7100, 0.3408,
0.3136

■ 72.9871, 0.3253,
0.3215

Harmonies

Analogous

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



18.9931, 0.4545, 0.2226



18.9931, 0.5803, 0.2970



18.9931, 0.5908, 0.3784

Triad

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



18.9931, 0.5803, 0.2970



18.9931, 0.2676, 0.6200



18.9931, 0.1130, 0.1344

Complementary

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



18.9931, 0.5803, 0.2970



65.1565, 0.2532, 0.4315

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.



18.9931, 0.0903, 0.1722



18.9931, 0.5803, 0.2970



18.9931, 0.1593, 0.4689

Square

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



18.9931, 0.5803, 0.2970



18.9931, 0.3928, 0.5870



18.9931, 0.1012, 0.2755



18.9931, 0.1746, 0.1342

Rectangle

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



18.9931, 0.5803, 0.2970



18.9931, 0.5452, 0.4430



18.9931, 0.1012, 0.2755



18.9931, 0.1017, 0.1420

Sweetspot

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



18.9965, 0.5803, 0.2970



57.5388, 0.3600, 0.3053



14.1860, 0.2410, 0.1102



11.3580, 0.3693, 0.3018



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.



18.9965, 0.5803, 0.2970



21.7892, 0.5811, 0.2975



20.3298, 0.6228, 0.3437



15.8369, 0.3246, 0.3219



10.4178, 0.5761, 0.2947



0.8836, 0.5388, 0.2742

Inverse Universe

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



18.9965, 0.5803, 0.2970



21.7892, 0.5811, 0.2975



45.7782, 0.2079, 0.2682



15.8369, 0.3246, 0.3219



10.4178, 0.5761, 0.2947



0.8836, 0.5388, 0.2742

Previews

White Background



This preview shows how the Yxy color 18.9931, 0.5803, 0.2970 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 18.9931, 0.5803, 0.2970 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 18.9931, 0.5803, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 18.9931, 0.5803, 0.2970.



This preview shows how white text looks on a background with the Yxy color 18.9931, 0.5803, 0.2970.

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

18.9931, 0.5803, 0.2970

Protanopia

19.5698, 0.3379, 0.3571

Deuteranopia

19.3963, 0.4291, 0.4199



Tritanopia

19.2954, 0.6223, 0.3317

Trichromacy



Original Color

18.9931, 0.5803, 0.2970



Protanomaly

14.6919, 0.4387, 0.3054



Deuteranomaly

15.3350, 0.5108, 0.3420



Tritanomaly

18.9434, 0.6138, 0.3211

Monochromacy



Original Color

18.9931, 0.5803, 0.2970



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.3067, 0.4446, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9931, 0.5803, 0.2970 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 72) }
```

Border

The CSS property to change the border of an element to Yxy 18.9931, 0.5803, 0.2970 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, 72) }
```

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

```
.border{ border-color:rgb(240, 0, 72) }
```

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, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9931, 0.5803, 0.2970 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, 72) }
```

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

```
.background{ background-color: rgb(240, 0,  
72) }
```

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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