

Converting Colors

$Yxy(11.9889, 0.5971, 0.3063)$

Have a look what the booklet for
Yxy(11.9889, 0.5971, 0.3063)
contains.

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Color

Yxy(11.9410, 0.5971, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	C4002F
RGB	196, 0, 47
RGB Percent	77%, 0%, 18%
CMY	0.2314, 0.9998, 0.8157
CMYK	0.00, 1.00, 0.76, 0.23
HSL	346°, 100%, 38%
HSV	346°, 100%, 77%
XYZ	23.2777, 11.9410, 3.7659
YIQ	63.9620, 101.7290, 56.1690

Conversions

Conversions Part 2

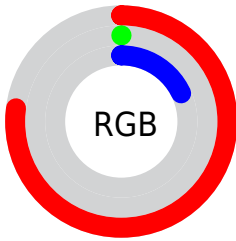
Format	Color
RYB	196, 0, 47
Decimal	12845103
CIELab	41.12, 66.61, 33.32
CIElCh	41, 74.481, 26.578
Yxy	11.9410, 0.5971, 0.3063
Android (android.graphics.Color)	4291035183 (0xFFC4002F)
YUV	63.9620, -8.3623, 115.7973
Hunter-Lab	34.5558, 59.7701, 17.7275

Details

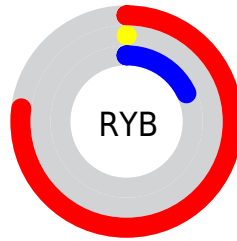
The Yxy color **11.9410, 0.5971, 0.3063** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **41.6514, 0.2468, 0.4084**, and the grayscale version is **5.1263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3910, 0.5261, 0.3220**, and **4.9909, 0.6377, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **11.9405, 0.5972, 0.3063**, and if you desaturate by 10%, it is **12.5702, 0.5664, 0.2982**.

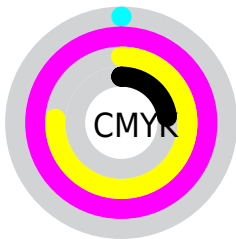
Distribution



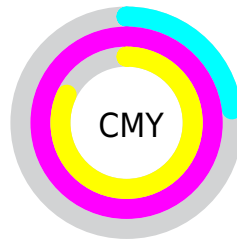
- Red (77%)
- Green (0%)
- Blue (18%)



- Red (77%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9410, 0.5971, 0.3063 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 11.9410, 0.5971, 0.3063 by changing the saturation by 10% instead.


 11.9410, 0.5971,
0.3063


 11.9410, 0.5971,
0.3063


204.0143, 0.4281,
0.3338


 6.7035, 0.6453,
0.2899


 29.3876, 0.5299,
0.3224


 3.2774, 0.7170,
0.2655

 42.3655, 0.5062,
0.3263


 1.2782, 0.7862,
0.2138

 58.6924, 0.4869,
0.3290

 0.1242, 0.9443,
0.0557

 78.7525, 0.4710,
0.3308

 0.0000, 1.0000,
0.0000

 102.9304, 0.4576,
0.3320

 0.0000, 0.0000,
0.0000

 131.6104, 0.4463,

0.3328

165.1769, 0.4365,
0.3334

■ 11.9410, 0.5971,
0.3063

■ 11.9410, 0.5971,
0.3063

■ 11.9405, 0.5972,
0.3063

■ 12.5702, 0.5664,
0.2982

■ 13.7358, 0.5295,
0.2929

■ 15.6153, 0.4901,
0.2916

■ 18.3013, 0.4519,
0.2937

■ 21.8726, 0.4174,
0.2982

■ 26.3986, 0.3878,
0.3040

■ 31.9417, 0.3630,
0.3104

■ 38.5588, 0.3427,
0.3169

■ 46.3028, 0.3261,
0.3231

Harmonies

Analogous

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



11.9410, 0.4833, 0.2304



11.9410, 0.5971, 0.3063



11.9410, 0.5894, 0.3906

Triad

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



11.9410, 0.5971, 0.3063



11.9410, 0.2461, 0.6199



11.9410, 0.1156, 0.1285

Complementary

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



11.9410, 0.5971, 0.3063



41.6514, 0.2468, 0.4084

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.



11.9410, 0.0877, 0.1593



11.9410, 0.5971, 0.3063



11.9410, 0.1423, 0.4403

Square

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



11.9410, 0.5971, 0.3063



11.9410, 0.3748, 0.6099



11.9410, 0.0927, 0.2513



11.9410, 0.1850, 0.1330

Rectangle

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



11.9410, 0.5971, 0.3063



11.9410, 0.5381, 0.4619



11.9410, 0.0927, 0.2513



11.9410, 0.1025, 0.1341

Sweetspot

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



11.9418, 0.5971, 0.3063



57.3234, 0.3641, 0.3101



10.1905, 0.2581, 0.1196



11.3081, 0.3743, 0.3073



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.



11.9418, 0.5971, 0.3063



21.5978, 0.6007, 0.3083



13.9352, 0.6083, 0.3552



10.1166, 0.3252, 0.3235



7.6838, 0.5938, 0.3045



0.3432, 0.5288, 0.2687

Inverse Universe

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



11.9418, 0.5971, 0.3063



21.5978, 0.6007, 0.3083



24.8566, 0.2016, 0.2456



10.1166, 0.3252, 0.3235



7.6838, 0.5938, 0.3045



0.3432, 0.5288, 0.2687

Previews

White Background



This preview shows how the Yxy color 11.9410, 0.5971, 0.3063 looks on a white 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

Black Background



This preview shows how the Yxy color 11.9410, 0.5971, 0.3063 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.9410, 0.5971, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 11.9410, 0.5971, 0.3063.



This preview shows how white text looks on a background with the Yxy color 11.9410, 0.5971, 0.3063.

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

11.9410, 0.5971, 0.3063

Protanopia

12.5044, 0.3653, 0.3917

Deuteranopia

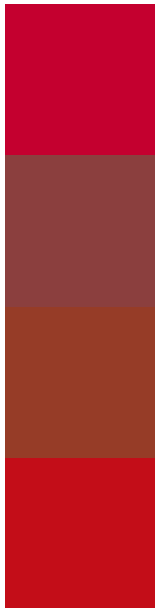
12.5909, 0.4436, 0.4395



Tritanopia

12.1266, 0.6269, 0.3332

Trichromacy



Original Color

11.9410, 0.5971, 0.3063

Protanomaly

9.3918, 0.4688, 0.3312

Deuteranomaly

9.8622, 0.5299, 0.3589

Tritanomaly

11.9559, 0.6210, 0.3254

Monochromacy



Original Color

11.9410, 0.5971, 0.3063

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.3361, 0.4533, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9410, 0.5971, 0.3063 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(196, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 47)  
}
```

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(196, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 47) }
```

Border

The CSS property to change the border of an element to Yxy 11.9410, 0.5971, 0.3063 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(196, 0, 47) }
```

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

```
.border{ border-color:rgb(196, 0, 47) }
```

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

Here you see how a box with a 4 pixel rgb(196, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9410, 0.5971, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 47) }
```

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

```
.background{ background-color: rgb(196, 0,  
47) }
```

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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