

Converting Colors

$Yxy(9.4713, 0.6406, 0.2774)$

Have a look what the booklet for
Yxy(9.4713, 0.6406, 0.2774)
contains.

Yxy(11.8959, 0.6059, 0.3111)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.8959, 0.6059, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	C40029
RGB	196, 0, 41
RGB Percent	77%, 0%, 16%
CMY	0.2313, 1.0000, 0.8392
CMYK	0.00, 1.00, 0.79, 0.23
HSL	347°, 100%, 38%
HSV	347°, 100%, 77%
XYZ	23.1685, 11.8959, 3.1738
YIQ	63.2780, 103.6550, 54.3030

Conversions

Conversions Part 2

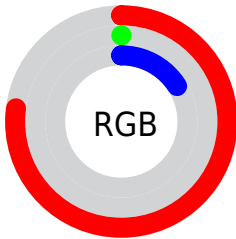
Format	Color
RYB	196, 0, 41
Decimal	12845097
CIELab	41.05, 66.43, 36.81
CIELCh	41, 75.948, 28.992
Yxy	11.8959, 0.6059, 0.3111
Android (android.graphics.Color)	4291035177 (0xFFC40029)
YUV	63.2780, -10.9831, 116.3972
Hunter-Lab	34.4904, 59.5469, 18.6875

Details

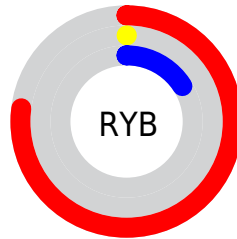
The Yxy color **11.8959, 0.6059, 0.3111** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **41.8537, 0.2438, 0.3976**, and the grayscale version is **5.0197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2888, 0.5335, 0.3272**, and **4.9865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.8980, 0.6059, 0.3111**, and if you desaturate by 10%, it is **12.5148, 0.5758, 0.3036**.

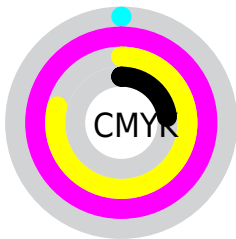
Distribution



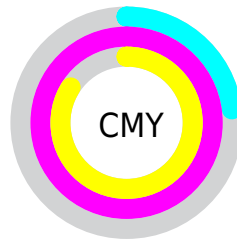
- Red (77%)
- Green (0%)
- Blue (16%)



- Red (77%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8959, 0.6059, 0.3111 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 11.8959, 0.6059, 0.3111 by changing the saturation by 10% instead.


 11.8959, 0.6059,
0.3111


 11.8959, 0.6059,
0.3111

203.7149, 0.4328,
0.3376


 6.6728, 0.6538,
0.2940


 29.3054, 0.5379,
0.3275


 3.2583, 0.7296,
0.2704

 42.2606, 0.5136,
0.3313

 1.2681, 0.7862,
0.2138

 58.5619, 0.4937,
0.3338

 0.1163, 0.9471,
0.0529

 78.5938, 0.4772,
0.3354

 0.0000, 1.0000,
0.0000

 102.7407, 0.4634,
0.3364

 0.0000, 0.0000,
0.0000

 131.3869, 0.4516,

0.3370

164.9168, 0.4415,
0.3374

11.8959, 0.6059,
0.3111

11.8959, 0.6059,
0.3111

11.8980, 0.6059,
0.3111

12.5148, 0.5758,
0.3036

13.6703, 0.5385,
0.2984

15.5423, 0.4978,
0.2968

18.2241, 0.4580,
0.2984

21.7950, 0.4220,
0.3021

■ 26.3246, 0.3909,
0.3072

■ 31.8756, 0.3651,
0.3127

■ 38.5056, 0.3439,
0.3184

■ 46.2675, 0.3267,
0.3239

Harmonies

Analogous

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



11.8959, 0.4997, 0.2345



11.8959, 0.6059, 0.3111



11.8959, 0.5889, 0.3978

Triad

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



11.8959, 0.6059, 0.3111



11.8959, 0.2339, 0.6189



11.8959, 0.1170, 0.1251

Complementary

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



11.8959, 0.6059, 0.3111



41.8537, 0.2438, 0.3976

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.



11.8959, 0.0861, 0.1524



11.8959, 0.6059, 0.3111



11.8959, 0.1331, 0.4239

Square

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



11.8959, 0.6059, 0.3111



11.8959, 0.3630, 0.6212



11.8959, 0.0881, 0.2384



11.8959, 0.1909, 0.1322

Rectangle

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



11.8959, 0.6059, 0.3111



11.8959, 0.5302, 0.4698



11.8959, 0.0881, 0.2384



11.8959, 0.1028, 0.1298

Sweetspot

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



11.8980, 0.6059, 0.3111



57.2179, 0.3662, 0.3125



10.8118, 0.2664, 0.1241



11.2838, 0.3767, 0.3100



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.



11.8980, 0.6059, 0.3111



21.5203, 0.6092, 0.3129



14.5216, 0.6008, 0.3611



10.1116, 0.3257, 0.3242



7.6540, 0.6027, 0.3094



0.3410, 0.5400, 0.2749

Inverse Universe

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



11.8980, 0.6059, 0.3111



21.5203, 0.6092, 0.3129



22.8824, 0.1983, 0.2337



10.1116, 0.3257, 0.3242



7.6540, 0.6027, 0.3094



0.3410, 0.5400, 0.2749

Previews

White Background



This preview shows how the Yxy color 11.8959, 0.6059, 0.3111 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 11.8959, 0.6059, 0.3111 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 11.8959, 0.6059, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 11.8959, 0.6059, 0.3111.



This preview shows how white text looks on a background with the Yxy color 11.8959, 0.6059, 0.3111.

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

11.8959, 0.6059, 0.3111

Protanopia

12.4707, 0.3783, 0.4087

Deuteranopia

12.4445, 0.4541, 0.4465



Tritanopia

12.1454, 0.6319, 0.3338

Trichromacy



Original Color

11.8959, 0.6059, 0.3111

Protanomaly

9.4063, 0.4844, 0.3431

Deuteranomaly

9.9153, 0.5409, 0.3664

Tritanomaly

12.0156, 0.6274, 0.3279

Monochromacy



Original Color

11.8959, 0.6059, 0.3111

Achromatopsia

4.9707, 0.3127, 0.3290

Achromatomaly

5.1729, 0.4608, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8959, 0.6059, 0.3111 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 41) }
```

Border

The CSS property to change the border of an element to Yxy 11.8959, 0.6059, 0.3111 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, 41) }
```

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

```
.border{ border-color:rgb(196, 0, 41) }
```

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, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8959, 0.6059, 0.3111 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, 41) }
```

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

```
.background{ background-color: rgb(196, 0,  
41) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor