

Converting Colors

$Y_{xy}(11.8109, 0.5801, 0.3018)$

Have a look what the booklet for
Yxy(11.8109, 0.5801, 0.3018)
contains.

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Color

Yxy(11.8431, 0.5811, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	C10B36
RGB	193, 11, 54
RGB Percent	76%, 4%, 21%
CMY	0.2431, 0.9570, 0.7881
CMYK	0.00, 0.94, 0.72, 0.24
HSL	346°, 89%, 40%
HSV	346°, 94%, 76%
XYZ	22.7806, 11.8431, 4.5789
YIQ	70.3200, 94.6690, 51.9570

Conversions

Conversions Part 2

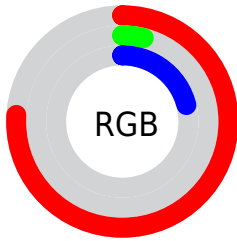
Format	Color
RYB	193, 11, 54
Decimal	12651318
CIELab	40.97, 65.04, 28.67
CIELCh	41, 71.080, 23.785
Yxy	11.8431, 0.5811, 0.3021
Android (android.graphics.Color)	4290841398 (0xFFC10B36)
YUV	70.3200, -8.0458, 107.5904
Hunter-Lab	34.4138, 57.9360, 16.2009

Details

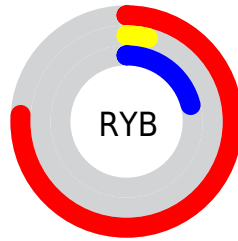
The Yxy color **11.8431, 0.5811, 0.3021** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **40.4157, 0.2460, 0.4023**, and the grayscale version is **6.1788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8357, 0.5159, 0.3174**, and **4.8518, 0.6257, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **11.5336, 0.5978, 0.3067**, and if you desaturate by 10%, it is **12.7072, 0.5467, 0.2952**.

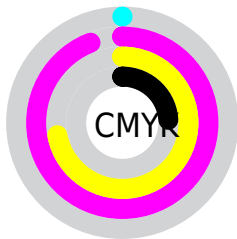
Distribution



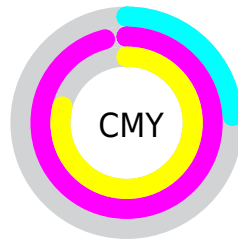
- Red (76%)
- Green (4%)
- Blue (21%)



- Red (76%)
- Yellow (4%)
- Blue (21%)



- Cyan (0%)
- Magenta (94%)
- Yellow (72%)
- Black (24%)




- Cyan (24%)
- Magenta (96%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8431, 0.5811, 0.3021 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 11.8431, 0.5811, 0.3021 by changing the saturation by 10% instead.


 11.8431, 0.5811,
0.3021


 11.8431, 0.5811,
0.3021


203.3638, 0.4200,
0.3296


 6.6369, 0.6289,
0.2869


 29.2090, 0.5161,
0.3174


 3.2361, 0.6956,
0.2621

 42.1376, 0.4936,
0.3213

 1.2562, 0.7829,
0.2171

 58.4090, 0.4753,
0.3240

 0.1069, 0.9494,
0.0506

 78.4078, 0.4603,
0.3259

 0.0000, 1.0000,
0.0000

 102.5182, 0.4477,
0.3273

 0.0000, 0.0000,
0.0000

 131.1248, 0.4371,

0.3283

164.6119, 0.4279,
0.3291

■ 11.8431, 0.5811,
0.3021

■ 11.8431, 0.5811,
0.3021

■ 11.5336, 0.5978,
0.3067

■ 12.7072, 0.5467,
0.2952

■ 14.2146, 0.5078,
0.2922

■ 16.4639, 0.4685,
0.2930

■ 19.5359, 0.4321,
0.2965

■ 23.5010, 0.4003,
0.3017

■ 28.4220, 0.3734,
0.3079

■ 34.3558, 0.3511,
0.3143

■ 41.3551, 0.3329,
0.3206

■ 49.4688, 0.3182,
0.3265

Harmonies

Analogous

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



11.8431, 0.4618, 0.2275



11.8431, 0.5811, 0.3021



11.8431, 0.5860, 0.3839

Triad

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



11.8431, 0.5811, 0.3021



11.8431, 0.2622, 0.6127



11.8431, 0.1168, 0.1352

Complementary

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



11.8431, 0.5811, 0.3021



40.4157, 0.2460, 0.4023

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.



11.8431, 0.0923, 0.1704



11.8431, 0.5811, 0.3021



11.8431, 0.1564, 0.4554

Square

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



11.8431, 0.5811, 0.3021



11.8431, 0.3880, 0.5924



11.8431, 0.1014, 0.2684



11.8431, 0.1807, 0.1365

Rectangle

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



11.8431, 0.5811, 0.3021



11.8431, 0.5420, 0.4516



11.8431, 0.1014, 0.2684



11.8431, 0.1048, 0.1421

Sweetspot

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



11.8438, 0.5811, 0.3021



56.9266, 0.3597, 0.3116



10.3381, 0.2619, 0.1238



11.2433, 0.3696, 0.3088



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8438, 0.5811, 0.3021



20.6226, 0.6013, 0.3086



14.2369, 0.5939, 0.3599



10.1161, 0.3253, 0.3236



7.6808, 0.5947, 0.3050



0.3430, 0.5299, 0.2693

Inverse Universe

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



11.8438, 0.5811, 0.3021



20.6226, 0.6013, 0.3086



24.9439, 0.2039, 0.2509



10.1161, 0.3253, 0.3236



7.6808, 0.5947, 0.3050



0.3430, 0.5299, 0.2693

Previews

White Background



This preview shows how the Yxy color 11.8431, 0.5811, 0.3021 looks on a white background.

Color Contrast Check

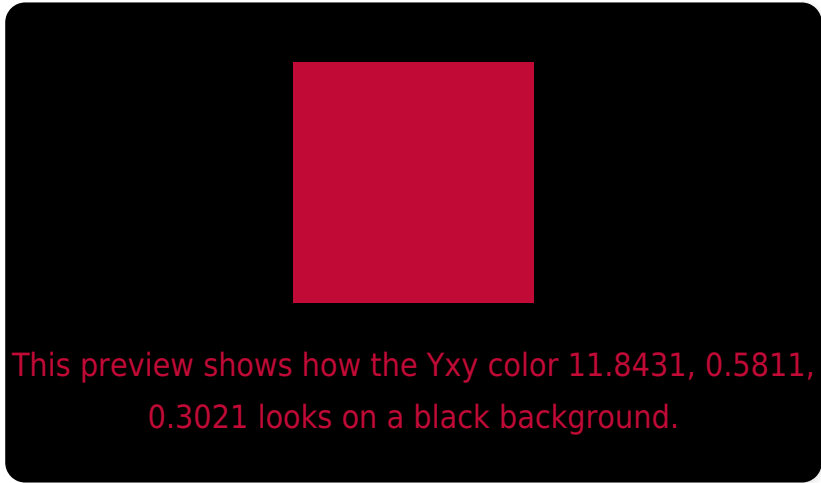
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 11.8431, 0.5811, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 11.8431, 0.5811, 0.3021.



This preview shows how white text looks on a background with the Yxy color 11.8431, 0.5811, 0.3021.

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

11.8431, 0.5811, 0.3021

Protanopia

12.2576, 0.3479, 0.3700

Deuteranopia

12.3248, 0.4318, 0.4263



Tritanopia

11.9068, 0.6190, 0.3323

Trichromacy



Original Color

11.8431, 0.5811, 0.3021

Protanomaly

9.5856, 0.4422, 0.3202

Deuteranomaly

10.1761, 0.5072, 0.3540

Tritanomaly

11.7765, 0.6095, 0.3229

Monochromacy



Original Color

11.8431, 0.5811, 0.3021

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.2116, 0.4356, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8431, 0.5811, 0.3021 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(193, 11, 54)` looks like.

```
.text, #text, p{  
    color:rgb(193, 11, 54)  
}
```

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(193, 11, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 11, 54) }
```

Border

The CSS property to change the border of an element to Yxy 11.8431, 0.5811, 0.3021 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(193, 11, 54) }
```

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

```
.border{ border-color:rgb(193, 11, 54) }
```

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

Here you see how a box with a 4 pixel rgb(193, 11, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 11, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 11, 54);  
box-shadow:4px 4px 4px 4px rgb(193, 11,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8431, 0.5811, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 11, 54) }
```

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

```
.background{ background-color: rgb(193, 11,  
54) }
```

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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