

Converting Colors

$Y_{xy}(11.8686, 0.6212, 0.3196)$

Have a look what the booklet for
Yxy(11.8686, 0.6212, 0.3196)
contains.

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Color

Yxy(11.8196, 0.6216, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	C4001C
RGB	196, 0, 28
RGB Percent	77%, 0%, 11%
CMY	0.2314, 0.9998, 0.8904
CMYK	0.00, 1.00, 0.86, 0.23
HSL	351°, 100%, 38%
HSV	351°, 100%, 77%
XYZ	22.9739, 11.8196, 2.1658
YIQ	61.7960, 107.8280, 50.2600

Conversions

Conversions Part 2

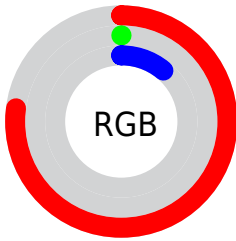
Format	Color
RYB	196, 0, 28
Decimal	12845084
CIELab	40.93, 66.08, 43.96
CIElCh	41, 79.368, 33.635
Yxy	11.8196, 0.6216, 0.3198
Android (android.graphics.Color)	4291035164 (0xFFC4001C)
YUV	61.7960, -16.6614, 117.6969
Hunter-Lab	34.3796, 59.1169, 20.3307

Details

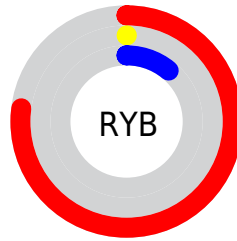
The Yxy color **11.8196, 0.6216, 0.3198** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **42.3107, 0.2374, 0.3745**, and the grayscale version is **4.8029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0817, 0.5495, 0.3383**, and **4.9055, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.8190, 0.6217, 0.3198**, and if you desaturate by 10%, it is **12.4114, 0.5943, 0.3142**.

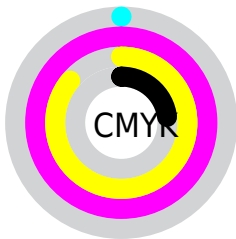
Distribution



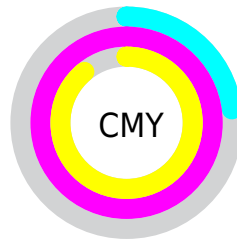
- Red (77%)
- Green (0%)
- Blue (11%)



- Red (77%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8196, 0.6216, 0.3198 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 11.8196, 0.6216, 0.3198 by changing the saturation by 10% instead.


 11.8196, 0.6216,
0.3198


 11.8196, 0.6216,
0.3198


203.2073, 0.4422,
0.3455


 6.6210, 0.6688,
0.3014


 29.1661, 0.5530,
0.3373


 3.2262, 0.7293,
0.2707


 42.0828, 0.5278,
0.3411


 1.2509, 0.7860,
0.2140


 58.3409, 0.5070,
0.3434

 0.1027, 0.9521,
0.0479

 78.3249, 0.4896,
0.3446

 0.0000, 1.0000,
0.0000

 102.4191, 0.4750,
0.3453


 0.0000, 0.0000,
0.0000


 131.0080, 0.4624,


0.3456

 164.4759, 0.4516,
0.3456


 11.8196, 0.6216,
0.3198


 11.8196, 0.6216,
0.3198


 11.8190, 0.6217,
0.3198

 12.4114, 0.5943,
0.3142

 13.5464, 0.5570,
0.3098

 15.4040, 0.5141,
0.3080

 18.0787, 0.4711,
0.3086

 21.6508, 0.4317,
0.3109

■ 26.1908, 0.3977,
0.3142

■ 31.7624, 0.3695,
0.3180

■ 38.4237, 0.3464,
0.3218

■ 46.2284, 0.3277,
0.3255

Harmonies

Analogous

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



11.8196, 0.5327, 0.2421



11.8196, 0.6216, 0.3198



11.8196, 0.5871, 0.4129

Triad

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



11.8196, 0.6216, 0.3198



11.8196, 0.2092, 0.6146



11.8196, 0.1198, 0.1186

Complementary

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



11.8196, 0.6216, 0.3198



42.3107, 0.2374, 0.3745

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.



11.8196, 0.0831, 0.1393



11.8196, 0.6216, 0.3198



11.8196, 0.1153, 0.3906

Square

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



11.8196, 0.6216, 0.3198



11.8196, 0.3387, 0.6442



11.8196, 0.0793, 0.2139



11.8196, 0.2035, 0.1306

Rectangle

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



11.8196, 0.6216, 0.3198



11.8196, 0.5137, 0.4863



11.8196, 0.0793, 0.2139



11.8196, 0.1034, 0.1214

Sweetspot

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



11.8204, 0.6216, 0.3198



56.9912, 0.3707, 0.3178



12.1594, 0.2831, 0.1333



11.2317, 0.3823, 0.3161



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.



11.8204, 0.6216, 0.3198



21.3892, 0.6242, 0.3212



15.9472, 0.5840, 0.3745



10.1007, 0.3267, 0.3257



7.6021, 0.6191, 0.3184



0.3362, 0.5673, 0.2899

Inverse Universe

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



11.8204, 0.6216, 0.3198



21.3892, 0.6242, 0.3212



19.2728, 0.1916, 0.2097



10.1007, 0.3267, 0.3257



7.6021, 0.6191, 0.3184



0.3362, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 11.8196, 0.6216, 0.3198 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 11.8196, 0.6216, 0.3198 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 11.8196, 0.6216, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 11.8196, 0.6216, 0.3198.



This preview shows how white text looks on a background with the Yxy color 11.8196, 0.6216, 0.3198.

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

11.8196, 0.6216, 0.3198

Protanopia

12.4359, 0.4036, 0.4409

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.0347, 0.6332, 0.3354

Trichromacy



Original Color

11.8196, 0.6216, 0.3198

Protanomaly

9.3642, 0.5143, 0.3668

Deuteranomaly

9.8329, 0.5618, 0.3827

Tritanomaly

11.8634, 0.6313, 0.3302

Monochromacy



Original Color

11.8196, 0.6216, 0.3198

Achromatopsia

4.8172, 0.3127, 0.3290

Achromatomaly

5.0608, 0.4762, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8196, 0.6216, 0.3198 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 28) }
```

Border

The CSS property to change the border of an element to Yxy 11.8196, 0.6216, 0.3198 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, 28) }
```

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

```
.border{ border-color:rgb(196, 0, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 28)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8196, 0.6216, 0.3198 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, 28) }
```

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

```
.background{ background-color: rgb(196, 0,  
28) }
```

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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