

Converting Colors

$Y_{xy}(11.8759, 0.6197, 0.3187)$

Have a look what the booklet for
Yxy(11.8759, 0.6197, 0.3187)
contains.

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Color

Yxy(11.8295, 0.6195, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	C4001E
RGB	196, 0, 30
RGB Percent	77%, 0%, 12%
CMY	0.2313, 1.0000, 0.8824
CMYK	0.00, 1.00, 0.85, 0.23
HSL	351°, 100%, 38%
HSV	351°, 100%, 77%
XYZ	23.0018, 11.8295, 2.2983
YIQ	62.0240, 107.1860, 50.8820

Conversions

Conversions Part 2

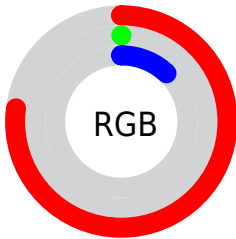
Format	Color
RYB	196, 0, 30
Decimal	12845086
CIELab	40.94, 66.14, 42.91
CIELCh	41, 78.837, 32.973
Yxy	11.8295, 0.6195, 0.3186
Android (android.graphics.Color)	4291035166 (0xFFC4001E)
YUV	62.0240, -15.7878, 117.4970
Hunter-Lab	34.3940, 59.1864, 20.1139

Details

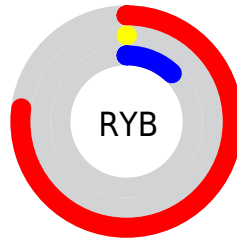
The Yxy color **11.8295, 0.6195, 0.3186** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **42.2399, 0.2384, 0.3781**, and the grayscale version is **4.8328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1086, 0.5473, 0.3368**, and **4.9055, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.8312, 0.6195, 0.3186**, and if you desaturate by 10%, it is **12.4258, 0.5916, 0.3126**.

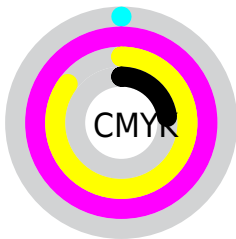
Distribution



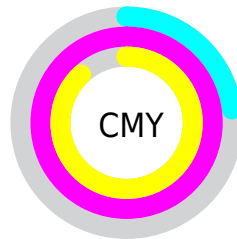
- Red (77%)
- Green (0%)
- Blue (12%)



- Red (77%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8295, 0.6195, 0.3186 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 11.8295, 0.6195, 0.3186 by changing the saturation by 10% instead.


 11.8295, 0.6195,
0.3186


 11.8295, 0.6195,
0.3186


203.2732, 0.4408,
0.3443


 6.6277, 0.6667,
0.3003


 29.1842, 0.5509,
0.3359


 3.2304, 0.7293,
0.2707

 42.1059, 0.5258,
0.3397


 1.2532, 0.7861,
0.2139

 58.3696, 0.5051,
0.3420

 0.1045, 0.9515,
0.0485

 78.3598, 0.4878,
0.3433


 0.0000, 1.0000,
0.0000


 102.4609, 0.4733,
0.3440


 0.0000, 0.0000,
0.0000

 131.0572, 0.4609,


0.3443

 164.5332, 0.4502,
0.3444


 11.8295, 0.6195,
0.3186


 11.8295, 0.6195,
0.3186

 11.8312, 0.6195,
0.3186

 12.4258, 0.5916,
0.3126

 13.5629, 0.5543,
0.3080

 15.4215, 0.5116,
0.3063

 18.0959, 0.4691,
0.3070

 21.6664, 0.4302,
0.3095

■ 26.2033, 0.3967,
0.3131

■ 31.7701, 0.3688,
0.3171

■ 38.4248, 0.3460,
0.3213

■ 46.2212, 0.3276,
0.3253

Harmonies

Analogous

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



11.8295, 0.5279, 0.2411



11.8295, 0.6195, 0.3186



11.8295, 0.5880, 0.4111

Triad

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



11.8295, 0.6195, 0.3186



11.8295, 0.2128, 0.6155



11.8295, 0.1193, 0.1195

Complementary

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



11.8295, 0.6195, 0.3186



42.2399, 0.2384, 0.3781

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.



11.8295, 0.0835, 0.1411



11.8295, 0.6195, 0.3186



11.8295, 0.1178, 0.3955

Square

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



11.8295, 0.6195, 0.3186



11.8295, 0.3423, 0.6409



11.8295, 0.0805, 0.2173



11.8295, 0.2016, 0.1308

Rectangle

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



11.8295, 0.6195, 0.3186



11.8295, 0.5162, 0.4838



11.8295, 0.0805, 0.2173



11.8295, 0.1033, 0.1225

Sweetspot

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



11.8312, 0.6195, 0.3186



57.0267, 0.3700, 0.3169



11.8090, 0.2789, 0.1310



11.2399, 0.3814, 0.3152



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.



11.8312, 0.6195, 0.3186



21.4065, 0.6222, 0.3201



15.5570, 0.5885, 0.3710



10.1025, 0.3265, 0.3255



7.6091, 0.6168, 0.3171



0.3369, 0.5627, 0.2873

Inverse Universe

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



11.8312, 0.6195, 0.3186



21.4065, 0.6222, 0.3201



20.1317, 0.1933, 0.2157



10.1025, 0.3265, 0.3255



7.6091, 0.6168, 0.3171



0.3369, 0.5627, 0.2873

Previews

White Background



This preview shows how the Yxy color 11.8295, 0.6195, 0.3186 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 11.8295, 0.6195, 0.3186 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 11.8295, 0.6195, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 11.8295, 0.6195, 0.3186.



This preview shows how white text looks on a background with the Yxy color 11.8295, 0.6195, 0.3186.

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

11.8295, 0.6195, 0.3186

Protanopia

12.4604, 0.4000, 0.4355

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.0347, 0.6332, 0.3354

Trichromacy



Original Color

11.8295, 0.6195, 0.3186

Protanomaly

9.3849, 0.5094, 0.3627

Deuteranomaly

9.8352, 0.5612, 0.3823

Tritanomaly

11.8656, 0.6308, 0.3299

Monochromacy



Original Color

11.8295, 0.6195, 0.3186

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 11.8295, 0.6195, 0.3186 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 30) }
```

Border

The CSS property to change the border of an element to Yxy 11.8295, 0.6195, 0.3186 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, 30) }
```

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

```
.border{ border-color:rgb(196, 0, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 30);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8295, 0.6195, 0.3186 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, 30) }
```

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

```
.background{ background-color: rgb(196, 0,  
30) }
```

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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