

Converting Colors

$Y_{xy}(11.9121, 0.6122, 0.3146)$

Have a look what the booklet for
Yxy(11.9121, 0.6122, 0.3146)
contains.

Yxy(11.8631, 0.6125, 0.3148)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.8631, 0.6125, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	C40024
RGB	196, 0, 36
RGB Percent	77%, 0%, 14%
CMY	0.2314, 0.9997, 0.8590
CMYK	0.00, 1.00, 0.82, 0.23
HSL	349°, 100%, 38%
HSV	349°, 100%, 77%
XYZ	23.0818, 11.8631, 2.7397
YIQ	62.7080, 105.2600, 52.7480

Conversions

Conversions Part 2

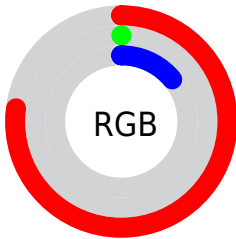
Format	Color
R_{YB}	196, 0, 36
Decimal	12845092
CIE _{Lab}	41.00, 66.27, 39.67
CIE _{LCh}	41, 77.231, 30.904
Yxy	11.8631, 0.6125, 0.3148
Android (android.graphics.Color)	4291035172 (0xFFC40024)
YUV	62.7080, -13.1670, 116.8971
Hunter-Lab	34.4429, 59.3464, 19.3939

Details

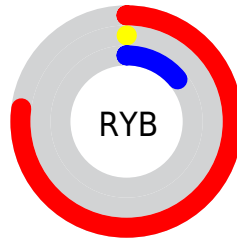
The Yxy color **11.8631, 0.6125, 0.3148** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **42.0193, 0.2413, 0.3885**, and the grayscale version is **4.9403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1947, 0.5406, 0.3321**, and **4.9865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.8616, 0.6126, 0.3148**, and if you desaturate by 10%, it is **12.4718, 0.5833, 0.3079**.

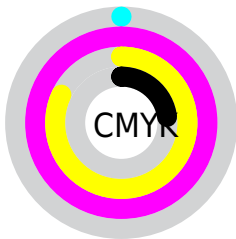
Distribution



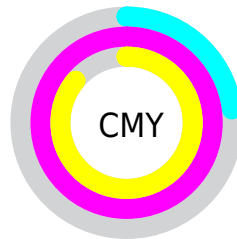
- Red (77%)
- Green (0%)
- Blue (14%)



- Red (77%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (23%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8631, 0.6125, 0.3148 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 11.8631, 0.6125, 0.3148 by changing the saturation by 10% instead.


 11.8631, 0.6125,
0.3148


 11.8631, 0.6125,
0.3148


203.4969, 0.4365,
0.3408


 6.6505, 0.6599,
0.2970


 29.2455, 0.5440,
0.3315


 3.2445, 0.7294,
0.2706

 42.1842, 0.5193,
0.3353

 1.2607, 0.7861,
0.2139

 58.4669, 0.4991,
0.3377

 0.1105, 0.9492,
0.0508

 78.4783, 0.4822,
0.3392

 0.0000, 1.0000,
0.0000


 102.6025, 0.4680,
0.3400


 0.0000, 0.0000,
0.0000


 131.2241, 0.4560,

0.3405


 164.7274, 0.4456,
0.3407

 11.8631, 0.6125,
0.3148

 11.8631, 0.6125,
0.3148

 11.8616, 0.6126,
0.3148

 12.4718, 0.5833,
0.3079

 13.6217, 0.5458,
0.3029

 15.4907, 0.5041,
0.3012

 18.1725, 0.4630,
0.3024

 21.7466, 0.4256,
0.3056

■ 26.2831, 0.3935,
0.3099

■ 31.8449, 0.3667,
0.3148

■ 38.4896, 0.3448,
0.3197

■ 46.2707, 0.3270,
0.3245

Harmonies

Analogous

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



11.8631, 0.5130, 0.2377



11.8631, 0.6125, 0.3148



11.8631, 0.5884, 0.4040

Triad

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



11.8631, 0.6125, 0.3148



11.8631, 0.2239, 0.6175



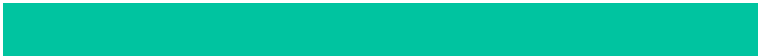
11.8631, 0.1181, 0.1225

Complementary

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



11.8631, 0.6125, 0.3148



42.0193, 0.2413, 0.3885

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.



11.8631, 0.0849, 0.1470



11.8631, 0.6125, 0.3148



11.8631, 0.1258, 0.4105

Square

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



11.8631, 0.6125, 0.3148



11.8631, 0.3533, 0.6303



11.8631, 0.0845, 0.2282



11.8631, 0.1959, 0.1316

Rectangle

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



11.8631, 0.6125, 0.3148



11.8631, 0.5237, 0.4763



11.8631, 0.0845, 0.2282



11.8631, 0.1031, 0.1263

Sweetspot

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



11.8639, 0.6125, 0.3148



57.1286, 0.3679, 0.3145



11.4685, 0.2747, 0.1287



11.2633, 0.3789, 0.3124



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.



11.8639, 0.6125, 0.3148



21.4629, 0.6156, 0.3165



15.1936, 0.5926, 0.3676



10.1074, 0.3261, 0.3248



7.6316, 0.6096, 0.3132



0.3391, 0.5502, 0.2805

Inverse Universe

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



11.8639, 0.6125, 0.3148



21.4629, 0.6156, 0.3165



21.0236, 0.1949, 0.2217



10.1074, 0.3261, 0.3248



7.6316, 0.6096, 0.3132



0.3391, 0.5502, 0.2805

Previews

White Background



This preview shows how the Yxy color 11.8631, 0.6125, 0.3148 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 11.8631, 0.6125, 0.3148 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 11.8631, 0.6125, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 11.8631, 0.6125, 0.3148.



This preview shows how white text looks on a background with the Yxy color 11.8631, 0.6125, 0.3148.

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

11.8631, 0.6125, 0.3148

Protanopia

12.4604, 0.3894, 0.4226

Deuteranopia

12.4124, 0.4601, 0.4540



Tritanopia

12.0030, 0.6337, 0.3350

Trichromacy



Original Color

11.8631, 0.6125, 0.3148

Protanomaly

9.4395, 0.4972, 0.3525

Deuteranomaly

9.8812, 0.5493, 0.3729

Tritanomaly

11.8705, 0.6297, 0.3293

Monochromacy



Original Color

11.8631, 0.6125, 0.3148

Achromatopsia

4.9707, 0.3127, 0.3290

Achromatomaly

5.1541, 0.4666, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8631, 0.6125, 0.3148 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, 36)` looks like.

```
.text, #text, p{  
  color:rgb(196, 0, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 36) }
```

Border

The CSS property to change the border of an element to Yxy 11.8631, 0.6125, 0.3148 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, 36) }
```

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

```
.border{ border-color:rgb(196, 0, 36) }
```

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, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 36)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8631, 0.6125, 0.3148 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, 36) }
```

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

```
.background{ background-color: rgb(196, 0,  
36) }
```

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