

Converting Colors

$Y_{xy}(11.2121, 0.6162, 0.3168)$

Have a look what the booklet for
Yxy(11.2121, 0.6162, 0.3168)
contains.

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Color

Yxy(11.1807, 0.6160, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	BF0020
RGB	191, 0, 32
RGB Percent	75%, 0%, 13%
CMY	0.2510, 0.9999, 0.8746
CMYK	0.00, 1.00, 0.83, 0.25
HSL	350°, 100%, 37%
HSV	350°, 100%, 75%
XYZ	21.7471, 11.1807, 2.3759
YIQ	60.7570, 103.5640, 50.4440

Conversions

Conversions Part 2

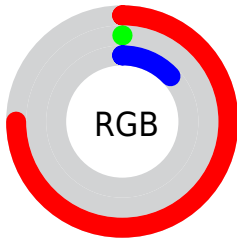
Format	Color
RYB	191, 0, 32
Decimal	12517408
CIELab	39.88, 64.94, 40.46
CIElCh	40, 76.513, 31.926
Yxy	11.1807, 0.6160, 0.3167
Android (android.graphics.Color)	4290707488 (0xFFBF0020)
YUV	60.7570, -14.1772, 114.2231
Hunter-Lab	33.4376, 57.5771, 19.1934

Details

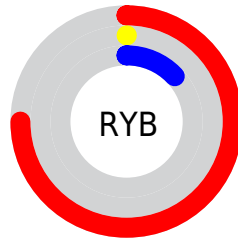
The Yxy color **11.1807, 0.6160, 0.3167** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **39.7687, 0.2397, 0.3829**, and the grayscale version is **4.6410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9823, 0.5459, 0.3344**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.1809, 0.6160, 0.3167**, and if you desaturate by 10%, it is **11.7590, 0.5873, 0.3103**.

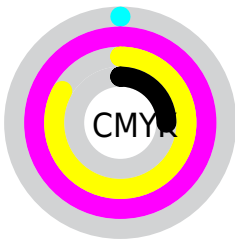
Distribution



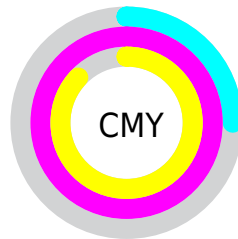
- Red (75%)
- Green (0%)
- Blue (13%)



- Red (75%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1807, 0.6160, 0.3167 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 11.1807, 0.6160, 0.3167 by changing the saturation by 10% instead.


 11.1807, 0.6160,
0.3167


 11.1807, 0.6160,
0.3167


198.9031, 0.4372,
0.3425


 6.1885, 0.6645,
0.2983


 27.9938, 0.5463,
0.3339


 2.9600, 0.7312,
0.2688

 40.5836, 0.5212,
0.3377


 1.1109, 0.7901,
0.2099

 56.4746, 0.5006,
0.3399

 0.0000, 1.0000,
0.0000


 76.0513, 0.4835,
0.3413


 0.0000, 0.0000,
0.0000


 99.6981, 0.4691,
0.3420


 127.7994, 0.4568,

0.3424


 160.7396, 0.4463,
0.3425


 11.1807, 0.6160,
0.3167


 11.1807, 0.6160,
0.3167


 11.1809, 0.6160,
0.3167

 11.7590, 0.5873,
0.3103

 12.8449, 0.5498,
0.3056

 14.6094, 0.5076,
0.3039

 17.1409, 0.4658,
0.3048

 20.5141, 0.4278,
0.3077

■ 24.7950, 0.3950,
0.3116

■ 30.0427, 0.3677,
0.3160

■ 36.3117, 0.3454,
0.3205

■ 43.6522, 0.3273,
0.3249

Harmonies

Analogous

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



11.1807, 0.5203, 0.2394



11.1807, 0.6160, 0.3167



11.1807, 0.5889, 0.4079

Triad

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



11.1807, 0.6160, 0.3167



11.1807, 0.2185, 0.6166



11.1807, 0.1187, 0.1210

Complementary

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



11.1807, 0.6160, 0.3167



39.7687, 0.2397, 0.3829

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.



11.1807, 0.0843, 0.1441



11.1807, 0.6160, 0.3167



11.1807, 0.1218, 0.4031

Square

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



11.1807, 0.6160, 0.3167



11.1807, 0.3484, 0.6364



11.1807, 0.0825, 0.2228



11.1807, 0.1987, 0.1312

Rectangle

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



11.1807, 0.6160, 0.3167



11.1807, 0.5200, 0.4800



11.1807, 0.0825, 0.2228



11.1807, 0.1032, 0.1245

Sweetspot

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



11.1814, 0.6160, 0.3167



53.3070, 0.3689, 0.3158



10.8291, 0.2748, 0.1288



10.7850, 0.3800, 0.3139



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.



11.1814, 0.6160, 0.3167



20.0006, 0.6189, 0.3183



14.3611, 0.5924, 0.3678



9.5617, 0.3263, 0.3252



7.3558, 0.6133, 0.3152



0.2964, 0.5529, 0.2820

Inverse Universe

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



11.1814, 0.6160, 0.3167



20.0006, 0.6189, 0.3183



19.8673, 0.1950, 0.2219



9.5617, 0.3263, 0.3252



7.3558, 0.6133, 0.3152



0.2964, 0.5529, 0.2820

Previews

White Background



This preview shows how the Yxy color 11.1807, 0.6160, 0.3167 looks on a white background.

Color Contrast Check

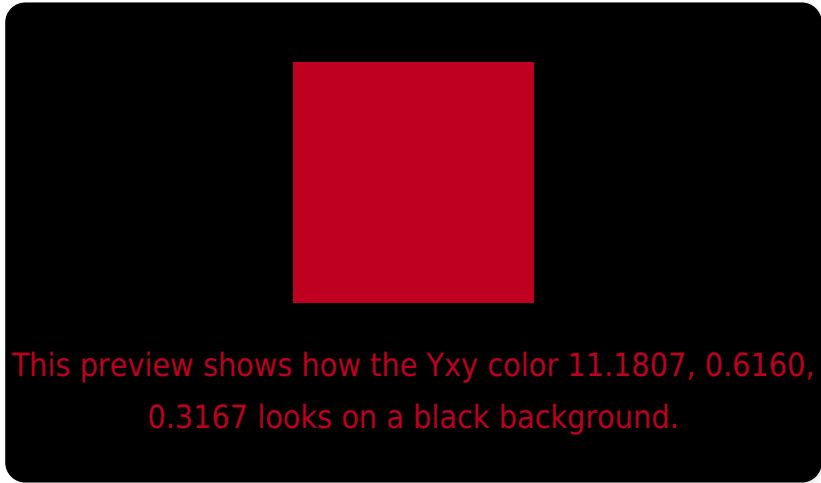
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.1807, 0.6160, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 11.1807, 0.6160, 0.3167.



This preview shows how white text looks on a background with the Yxy color 11.1807, 0.6160, 0.3167.

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

11.1807, 0.6160, 0.3167

Protanopia

11.9142, 0.3947, 0.4300

Deuteranopia

11.8160, 0.4636, 0.4598



Tritanopia

11.3480, 0.6334, 0.3353

Trichromacy



Original Color

11.1807, 0.6160, 0.3167

Protanomaly

9.0304, 0.5034, 0.3591

Deuteranomaly

9.3780, 0.5531, 0.3782

Tritanomaly

11.2130, 0.6297, 0.3296

Monochromacy



Original Color

11.1807, 0.6160, 0.3167

Achromatopsia

4.6665, 0.3127, 0.3290

Achromatomaly

4.8695, 0.4703, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1807, 0.6160, 0.3167 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(191, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 32)  
}
```

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(191, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 32) }
```

Border

The CSS property to change the border of an element to Yxy 11.1807, 0.6160, 0.3167 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(191, 0, 32) }
```

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

```
.border{ border-color:rgb(191, 0, 32) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 32)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.1807, 0.6160, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 32) }
```

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

```
.background{ background-color: rgb(191, 0,  
32) }
```

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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