

Converting Colors

$Y_{xy}(11.9135, 0.6265, 0.3407)$

Have a look what the booklet for
Yxy(11.9135, 0.6265, 0.3407)
contains.

Yxy(11.9069, 0.6266, 0.3407)	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(11.9069, 0.6266, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	BF1C00
RGB	191, 28, 0
RGB Percent	75%, 11%, 0%
CMY	0.2510, 0.8900, 1.0000
CMYK	0.00, 0.85, 1.00, 0.25
HSL	9°, 100%, 37%
HSV	9°, 100%, 75%
XYZ	21.8986, 11.9069, 1.1428
YIQ	73.5450, 106.1360, 25.8480

Conversions

Conversions Part 2

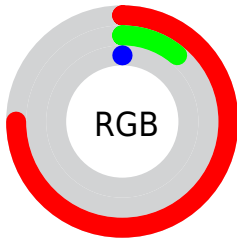
Format	Color
R_{YB}	191, 33, 0
Decimal	12524544
CIE Lab	41.07, 60.54, 54.60
CIE LCh	41, 81.528, 42.048
Yxy	11.9069, 0.6266, 0.3407
Android (android.graphics.Color)	4290714624 (0xFFBF1C00)
YUV	73.5450, -36.2577, 103.0080
Hunter-Lab	34.5064, 52.8945, 22.1908

Details

The Yxy color **11.9069, 0.6266, 0.3407** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **29.9316, 0.2116, 0.2816**, and the grayscale version is **6.8195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1622, 0.5618, 0.3586**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.9077, 0.6266, 0.3407**, and if you desaturate by 10%, it is **12.9494, 0.6020, 0.3463**.

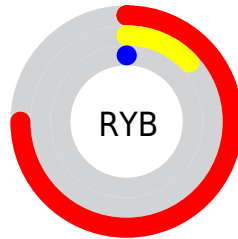
Distribution



Red (75%)

Green (11%)

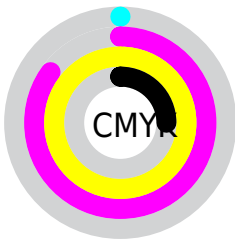
Blue (0%)



Red (75%)

Yellow (13%)

Blue (0%)

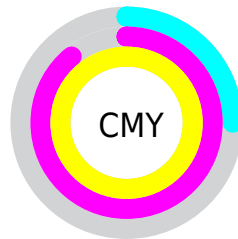


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9069, 0.6266, 0.3407 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 11.9069, 0.6266, 0.3407 by changing the saturation by 10% instead.


 11.9069, 0.6266,
0.3407


 11.9069, 0.6266,
0.3407


 203.7880, 0.4502,
0.3603


 6.6803, 0.6754,
0.3246


 29.3254, 0.5623,
0.3580

 3.2630, 0.7136,
0.2864

 42.2862, 0.5376,
0.3611


 1.2705, 0.7691,
0.2309

 58.5937, 0.5168,
0.3625

 0.1182, 0.9394,
0.0606

 78.6325, 0.4992,
0.3628


 0.0000, 1.0000,
0.0000


 102.7870, 0.4842,
0.3626


 0.0000, 0.0000,
0.0000


 131.4414, 0.4712,


0.3620


 164.9803, 0.4600,
0.3612


 11.9069, 0.6266,
0.3407


 11.9069, 0.6266,
0.3407


 11.9077, 0.6266,
0.3407

 12.9494, 0.6020,
0.3463

 14.5151, 0.5671,
0.3505

 16.6716, 0.5252,
0.3520

 19.4706, 0.4820,
0.3510

 22.9586, 0.4415,
0.3484

■ 27.1772, 0.4058,
0.3448

■ 32.1652, 0.3756,
0.3407

■ 37.9582, 0.3504,
0.3366

■ 44.5898, 0.3297,
0.3327

Harmonies

Analogous

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



11.9069, 0.5773, 0.2616



11.9069, 0.6266, 0.3407



11.9069, 0.5600, 0.4400

Triad

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



11.9069, 0.6266, 0.3407



11.9069, 0.1739, 0.5699



11.9069, 0.1347, 0.1160

Complementary

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



11.9069, 0.6266, 0.3407



29.9316, 0.2116, 0.2816

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.



11.9069, 0.0869, 0.1264



11.9069, 0.6266, 0.3407



11.9069, 0.0962, 0.3278

Square

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



11.9069, 0.6266, 0.3407



11.9069, 0.2969, 0.6632



11.9069, 0.0740, 0.1818



11.9069, 0.2368, 0.1365

Rectangle

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



11.9069, 0.6266, 0.3407



11.9069, 0.4784, 0.5216



11.9069, 0.0740, 0.1818



11.9069, 0.1140, 0.1158

Sweetspot

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



11.9077, 0.6266, 0.3407



57.1602, 0.3769, 0.3409



13.8103, 0.3578, 0.1745



11.6828, 0.3893, 0.3427



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.



11.9077, 0.6266, 0.3407



21.1199, 0.6284, 0.3392



24.7393, 0.5026, 0.4391



9.7565, 0.3285, 0.3324



7.9009, 0.6248, 0.3421



0.3827, 0.5862, 0.3727

Inverse Universe

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



29.9316, 0.2116, 0.2816



53.3340, 0.2113, 0.2808



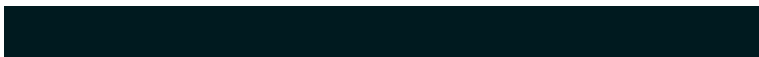
8.1449, 0.1657, 0.1164



10.5642, 0.2985, 0.3255



19.7656, 0.2118, 0.2823



0.8403, 0.2152, 0.2945

Previews

White Background



This preview shows how the Yxy color 11.9069, 0.6266, 0.3407 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

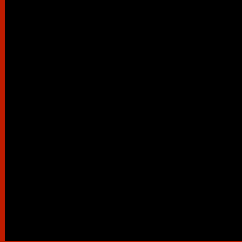
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.9069, 0.6266, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 11.9069, 0.6266, 0.3407.

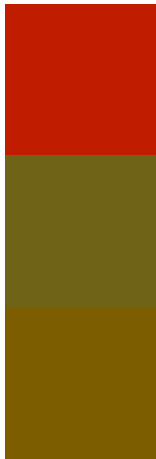


This preview shows how white text looks on a background with the Yxy color 11.9069, 0.6266, 0.3407.

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

11.9069, 0.6266, 0.3407

Protanopia

12.3691, 0.4266, 0.4719

Deuteranopia

12.1138, 0.4696, 0.4653



Tritanopia

11.9262, 0.6128, 0.3315

Trichromacy



Original Color

11.9069, 0.6266, 0.3407

Protanomaly

10.3750, 0.5227, 0.4083

Deuteranomaly

10.5521, 0.5479, 0.4032

Tritanomaly

11.8947, 0.6196, 0.3355

Monochromacy



Original Color

11.9069, 0.6266, 0.3407

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.9134, 0.4713, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9069, 0.6266, 0.3407 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, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 28, 0)  
}
```

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, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 28, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.9069, 0.6266, 0.3407 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, 28, 0) }
```

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

```
.border{ border-color:rgb(191, 28, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 28, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 28, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9069, 0.6266, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 28, 0) }
```

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

```
.background{ background-color: rgb(191, 28,  
0) }
```

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