

Converting Colors

$Yxy(10.9183, 0.6079, 0.3122)$

Have a look what the booklet for
Yxy(10.9183, 0.6079, 0.3122)
contains.

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Color

Yxy(10.9588, 0.6075, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	BD0026
RGB	189, 0, 38
RGB Percent	74%, 0%, 15%
CMY	0.2588, 1.0000, 0.8508
CMYK	0.00, 1.00, 0.80, 0.26
HSL	348°, 100%, 37%
HSV	348°, 100%, 74%
XYZ	21.3380, 10.9588, 2.8275
YIQ	60.8430, 100.4460, 51.8860

Conversions

Conversions Part 2

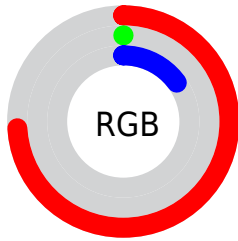
Format	Color
RYB	189, 0, 38
Decimal	12386342
CIELab	39.51, 64.61, 36.48
CIElCh	40, 74.201, 29.451
Yxy	10.9588, 0.6075, 0.3120
Android (android.graphics.Color)	4290576422 (0xFFBD0026)
YUV	60.8430, -11.2616, 112.3937
Hunter-Lab	33.1041, 57.1244, 18.1087

Details

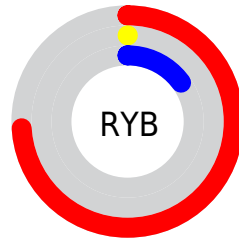
The Yxy color **10.9588, 0.6075, 0.3120** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **38.6316, 0.2430, 0.3947**, and the grayscale version is **4.6496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5418, 0.5383, 0.3288**, and **4.4356, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.9599, 0.6075, 0.3120**, and if you desaturate by 10%, it is **11.5404, 0.5774, 0.3048**.

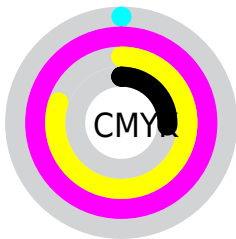
Distribution



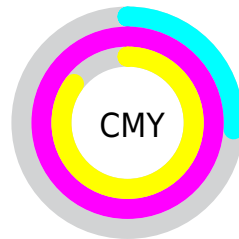
- Red (74%)
- Green (0%)
- Blue (15%)



- Red (74%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9588, 0.6075, 0.3120 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 10.9588, 0.6075, 0.3120 by changing the saturation by 10% instead.


 10.9588, 0.6075,
0.3120


 10.9588, 0.6075,
0.3120


197.3847, 0.4316,
0.3384


 6.0391, 0.6568,
0.2941

 27.5840, 0.5379,
0.3287


 2.8689, 0.7322,
0.2678

 40.0582, 0.5131,
0.3325

 1.0637, 0.7918,
0.2082

 55.8195, 0.4930,
0.3349

 0.0000, 1.0000,
0.0000

 75.2522, 0.4764,
0.3365


 0.0000, 0.0000,
0.0000


 98.7406, 0.4624,
0.3374


 126.6693, 0.4506,

0.3379


 159.4225, 0.4404,
0.3383

 10.9588, 0.6075,
0.3120

 10.9588, 0.6075,
0.3120


 10.9599, 0.6075,
0.3120

 11.5404, 0.5774,
0.3048

 12.6135, 0.5400,
0.2997

 14.3462, 0.4991,
0.2982

 16.8240, 0.4590,
0.2997

 20.1190, 0.4227,
0.3032

■ 24.2953, 0.3915,
0.3080

■ 29.4100, 0.3654,
0.3134

■ 35.5159, 0.3441,
0.3188

■ 42.6616, 0.3268,
0.3241

Harmonies

Analogous

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



10.9588, 0.5028, 0.2353



10.9588, 0.6075, 0.3120



10.9588, 0.5895, 0.3998

Triad

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



10.9588, 0.6075, 0.3120



10.9588, 0.2315, 0.6186



10.9588, 0.1173, 0.1245

Complementary

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



10.9588, 0.6075, 0.3120



38.6316, 0.2430, 0.3947

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.



10.9588, 0.0858, 0.1511



10.9588, 0.6075, 0.3120



10.9588, 0.1313, 0.4207

Square

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



10.9588, 0.6075, 0.3120



10.9588, 0.3614, 0.6246



10.9588, 0.0872, 0.2359



10.9588, 0.1921, 0.1321

Rectangle

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



10.9588, 0.6075, 0.3120



10.9588, 0.5287, 0.4713



10.9588, 0.0872, 0.2359



10.9588, 0.1028, 0.1289

Sweetspot

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



10.9599, 0.6075, 0.3120



52.1897, 0.3666, 0.3131



9.9755, 0.2665, 0.1242



10.3549, 0.3770, 0.3108



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.9599, 0.6075, 0.3120



19.6005, 0.6108, 0.3138



13.4166, 0.6004, 0.3615



9.5669, 0.3257, 0.3244



7.3825, 0.6046, 0.3104



0.2986, 0.5389, 0.2742

Inverse Universe

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



10.9599, 0.6075, 0.3120



19.6005, 0.6108, 0.3138



21.1297, 0.1983, 0.2339



9.5669, 0.3257, 0.3244



7.3825, 0.6046, 0.3104



0.2986, 0.5389, 0.2742

Previews

White Background



This preview shows how the Yxy color 10.9588, 0.6075, 0.3120 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 10.9588, 0.6075, 0.3120 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 10.9588, 0.6075, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 10.9588, 0.6075, 0.3120.



This preview shows how white text looks on a background with the Yxy color 10.9588, 0.6075, 0.3120.

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

10.9588, 0.6075, 0.3120

Protanopia

11.6848, 0.3815, 0.4128

Deuteranopia

11.5412, 0.4539, 0.4496



Tritanopia

11.2197, 0.6333, 0.3354

Trichromacy



Original Color

10.9588, 0.6075, 0.3120

Protanomaly

8.8107, 0.4888, 0.3468

Deuteranomaly

9.1346, 0.5416, 0.3688

Tritanomaly

11.0899, 0.6284, 0.3289

Monochromacy



Original Color

10.9588, 0.6075, 0.3120

Achromatopsia

4.6665, 0.3127, 0.3290

Achromatomaly

4.8962, 0.4615, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9588, 0.6075, 0.3120 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(189, 0, 38)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 38)  
}
```

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(189, 0, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 38) }
```

Border

The CSS property to change the border of an element to Yxy 10.9588, 0.6075, 0.3120 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(189, 0, 38) }
```

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

```
.border{ border-color:rgb(189, 0, 38) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.9588, 0.6075, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 38) }
```

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

```
.background{ background-color: rgb(189, 0,  
38) }
```

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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