

Converting Colors

$Y_{xy}(10.2937, 0.6079, 0.3243)$

Have a look what the booklet for
Yxy(10.2937, 0.6079, 0.3243)
contains.

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Color

Yxy(10.2923, 0.6083, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	B4141D
RGB	180, 20, 29
RGB Percent	71%, 8%, 11%
CMY	0.2941, 0.9214, 0.8863
CMYK	0.00, 0.89, 0.84, 0.29
HSL	357°, 80%, 39%
HSV	357°, 89%, 71%
XYZ	19.2937, 10.2923, 2.1314
YIQ	68.8660, 92.4710, 36.7190

Conversions

Conversions Part 2

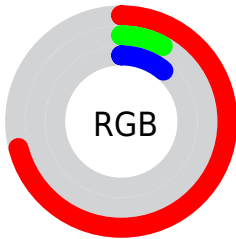
Format	Color
R _Y B	180, 20, 29
Decimal	11801629
CIE Lab	38.36, 59.53, 39.83
CIE LCh	38, 71.626, 33.782
Yxy	10.2923, 0.6083, 0.3245
Android (android.graphics.Color)	4289991709 (0xFFB4141D)
YUV	68.8660, -19.6539, 97.4645
Hunter-Lab	32.0816, 51.2061, 18.5181

Details

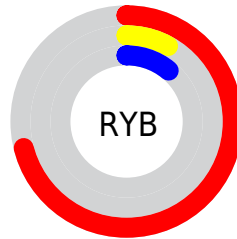
The Yxy color **10.2923, 0.6083, 0.3245** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **35.7319, 0.2307, 0.3440**, and the grayscale version is **5.9522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3831, 0.5395, 0.3399**, and **3.8516, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.7735, 0.6320, 0.3266**, and if you desaturate by 10%, it is **11.2882, 0.5716, 0.3225**.

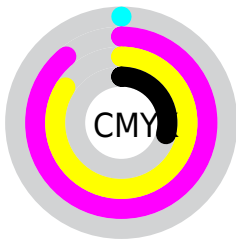
Distribution



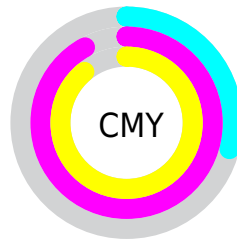
- Red (71%)
- Green (8%)
- Blue (11%)



- Red (71%)
- Yellow (8%)
- Blue (11%)



- Cyan (0%)
- Magenta (89%)
- Yellow (84%)
- Black (29%)




- Cyan (29%)
- Magenta (92%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2923, 0.6083, 0.3245 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 10.2923, 0.6083, 0.3245 by changing the saturation by 10% instead.

 10.2923, 0.6083,
0.3245

 10.2923, 0.6083,
0.3245


192.7457, 0.4318,
0.3454


 5.5932, 0.6581,
0.3071

 26.3439, 0.5387,
0.3400


 2.5993, 0.7237,
0.2763

 38.4651, 0.5139,
0.3431


 0.9263, 0.7853,
0.2147

 53.8291, 0.4936,
0.3447

 0.0000, 1.0000,
0.0000


 72.8204, 0.4768,
0.3455


 0.0000, 0.0000,
0.0000

 95.8233, 0.4628,
0.3458


 123.2223, 0.4509,

0.3458


 155.4016, 0.4406,
0.3457


 10.2923, 0.6083,
0.3245


 10.2923, 0.6083,
0.3245


 9.7735, 0.6320,
0.3266


 11.2882, 0.5716,
0.3225

 9.7250, 0.6340,
0.3266

 12.8928, 0.5270,
0.3215

 15.1831, 0.4812,
0.3216

 18.2246, 0.4387,
0.3223

 22.0748, 0.4021,
0.3235

■ 26.7859, 0.3717,
0.3250

■ 32.4055, 0.3470,
0.3264

■ 38.9778, 0.3271,
0.3278

■ 46.5441, 0.3111,
0.3291

Harmonies

Analogous

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



10.2923, 0.5223, 0.2472



10.2923, 0.6083, 0.3245



10.2923, 0.5785, 0.4162

Triad

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



10.2923, 0.6083, 0.3245



10.2923, 0.2163, 0.5953



10.2923, 0.1266, 0.1255

Complementary

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



10.2923, 0.6083, 0.3245



35.7319, 0.2307, 0.3440

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.



10.2923, 0.0901, 0.1464



10.2923, 0.6083, 0.3245



10.2923, 0.1236, 0.3875

Square

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



10.2923, 0.6083, 0.3245



10.2923, 0.3422, 0.6296



10.2923, 0.0868, 0.2200



10.2923, 0.2090, 0.1373

Rectangle

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



10.2923, 0.6083, 0.3245



10.2923, 0.5117, 0.4883



10.2923, 0.0868, 0.2200



10.2923, 0.1103, 0.1283

Sweetspot

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



10.2929, 0.6083, 0.3245



49.9050, 0.3679, 0.3252



12.2684, 0.3061, 0.1507



10.1127, 0.3771, 0.3247



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



10.2929, 0.6083, 0.3245



17.6236, 0.6356, 0.3275



16.9566, 0.5337, 0.4013



8.5127, 0.3279, 0.3278



6.7911, 0.6327, 0.3259



0.2162, 0.6035, 0.3098

Inverse Universe

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



10.2929, 0.6083, 0.3245



17.6236, 0.6356, 0.3275



14.7430, 0.1911, 0.1987



8.5127, 0.3279, 0.3278



6.7911, 0.6327, 0.3259



0.2162, 0.6035, 0.3098

Previews

White Background



This preview shows how the Yxy color 10.2923, 0.6083, 0.3245 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 10.2923, 0.6083, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 10.2923, 0.6083, 0.3245.



This preview shows how white text looks on a background with the Yxy color 10.2923, 0.6083, 0.3245.

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

10.2923, 0.6083, 0.3245

Protanopia

10.6763, 0.3983, 0.4339

Deuteranopia

10.5447, 0.4657, 0.4611



Tritanopia

10.3208, 0.6181, 0.3320

Trichromacy



Original Color

10.2923, 0.6083, 0.3245

Protanomaly

8.7955, 0.4924, 0.3754

Deuteranomaly

9.0785, 0.5408, 0.3924

Tritanomaly

10.2976, 0.6152, 0.3294

Monochromacy



Original Color

10.2923, 0.6083, 0.3245

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

5.8852, 0.4472, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2923, 0.6083, 0.3245 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(180, 20, 29)` looks like.

```
.text, #text, p{  
    color:rgb(180, 20, 29)  
}
```

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(180, 20, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 20, 29) }
```

Border

The CSS property to change the border of an element to Yxy 10.2923, 0.6083, 0.3245 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(180, 20, 29) }
```

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

```
.border{ border-color:rgb(180, 20, 29) }
```

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

Here you see how a box with a 4 pixel rgb(180, 20, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 20, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 20, 29);  
box-shadow:4px 4px 4px 4px rgb(180, 20,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2923, 0.6083, 0.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 20, 29) }
```

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

```
.background{ background-color: rgb(180, 20,  
29) }
```

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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