

Converting Colors

$Yxy(10.3164, 0.5975, 0.3065)$

Have a look what the booklet for
Yxy(10.3164, 0.5975, 0.3065)
contains.

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Color

Yxy(10.3648, 0.5979, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	B8002B
RGB	184, 0, 43
RGB Percent	72%, 0%, 17%
CMY	0.2784, 1.0000, 0.8313
CMYK	0.00, 1.00, 0.77, 0.28
HSL	346°, 100%, 36%
HSV	346°, 100%, 72%
XYZ	20.2058, 10.3648, 3.2240
YIQ	59.9180, 95.8610, 52.3810

Conversions

Conversions Part 2

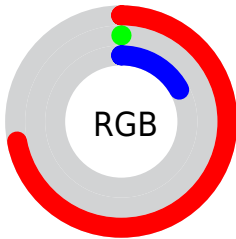
Format	Color
RYB	184, 0, 43
Decimal	12058667
CIELab	38.49, 63.54, 32.07
CIElCh	38, 71.179, 26.782
Yxy	10.3648, 0.5979, 0.3067
Android (android.graphics.Color)	4290248747 (0xFFB8002B)
YUV	59.9180, -8.3406, 108.8199
Hunter-Lab	32.1944, 55.6896, 16.5987

Details

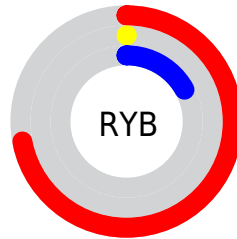
The Yxy color **10.3648, 0.5979, 0.3067** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **36.2082, 0.2461, 0.4060**, and the grayscale version is **4.5094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3636, 0.5285, 0.3236**, and **4.1376, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.3664, 0.5979, 0.3067**, and if you desaturate by 10%, it is **10.9342, 0.5669, 0.2990**.

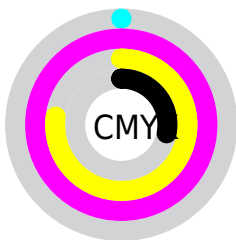
Distribution



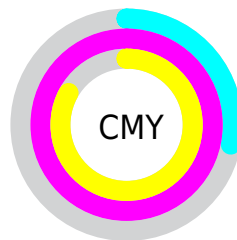
- Red (72%)
- Green (0%)
- Blue (17%)



- Red (72%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3648, 0.5979, 0.3067 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 10.3648, 0.5979, 0.3067 by changing the saturation by 10% instead.


 10.3648, 0.5979,
0.3067


 10.3648, 0.5979,
0.3067


193.2563, 0.4251,
0.3342


 5.6415, 0.6487,
0.2892

 26.4794, 0.5281,
0.3232


 2.6283, 0.7344,
0.2656

 38.6395, 0.5038,
0.3272

 0.9409, 0.7962,
0.2038

 54.0474, 0.4842,
0.3298

 0.0000, 1.0000,
0.0000

 73.0873, 0.4681,
0.3315

 0.0000, 0.0000,
0.0000

 96.1438, 0.4546,
0.3326

 123.6012, 0.4433,

0.3334

155.8439, 0.4335,
0.3339

10.3648, 0.5979,
0.3067

10.3648, 0.5979,
0.3067

10.3664, 0.5979,
0.3067

10.9342, 0.5669,
0.2990

11.9605, 0.5300,
0.2939

13.6045, 0.4904,
0.2926

15.9456, 0.4521,
0.2947

19.0510, 0.4176,
0.2990

■ 22.9801, 0.3879,
0.3047

■ 27.7862, 0.3631,
0.3109

■ 33.5183, 0.3428,
0.3172

■ 40.2217, 0.3262,
0.3233

Harmonies

Analogous

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



10.3648, 0.4846, 0.2307



10.3648, 0.5979, 0.3067



10.3648, 0.5903, 0.3917

Triad

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



10.3648, 0.5979, 0.3067



10.3648, 0.2451, 0.6199



10.3648, 0.1157, 0.1282

Complementary

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



10.3648, 0.5979, 0.3067



36.2082, 0.2461, 0.4060

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.



10.3648, 0.0875, 0.1587



10.3648, 0.5979, 0.3067



10.3648, 0.1415, 0.4390

Square

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



10.3648, 0.5979, 0.3067



10.3648, 0.3752, 0.6132



10.3648, 0.0923, 0.2502



10.3648, 0.1854, 0.1329

Rectangle

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



10.3648, 0.5979, 0.3067



10.3648, 0.5375, 0.4625



10.3648, 0.0923, 0.2502



10.3648, 0.1025, 0.1337

Sweetspot

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



10.3664, 0.5979, 0.3067



49.8867, 0.3643, 0.3106



8.8652, 0.2584, 0.1197



9.9335, 0.3742, 0.3079



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



10.3664, 0.5979, 0.3067



18.7588, 0.6016, 0.3088



12.1460, 0.6076, 0.3557



9.0457, 0.3252, 0.3237



7.1528, 0.5949, 0.3051



0.2620, 0.5215, 0.2646

Inverse Universe

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



10.3664, 0.5979, 0.3067



18.7588, 0.6016, 0.3088



21.6406, 0.2017, 0.2460



9.0457, 0.3252, 0.3237



7.1528, 0.5949, 0.3051



0.2620, 0.5215, 0.2646

Previews

White Background



This preview shows how the Yxy color 10.3648, 0.5979, 0.3067 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 10.3648, 0.5979, 0.3067 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 10.3648, 0.5979, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 10.3648, 0.5979, 0.3067.



This preview shows how white text looks on a background with the Yxy color 10.3648, 0.5979, 0.3067.

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

10.3648, 0.5979, 0.3067

Protanopia

10.9771, 0.3683, 0.3950

Deuteranopia

11.0309, 0.4449, 0.4394



Tritanopia

10.5218, 0.6266, 0.3330

Trichromacy



Original Color

10.3648, 0.5979, 0.3067

Protanomaly

8.2486, 0.4710, 0.3331

Deuteranomaly

8.7163, 0.5284, 0.3608

Tritanomaly

10.3646, 0.6210, 0.3252

Monochromacy



Original Color

10.3648, 0.5979, 0.3067

Achromatopsia

4.5186, 0.3127, 0.3290

Achromatomaly

4.6558, 0.4533, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3648, 0.5979, 0.3067 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(184, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 43)  
}
```

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(184, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 43) }
```

Border

The CSS property to change the border of an element to Yxy 10.3648, 0.5979, 0.3067 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(184, 0, 43) }
```

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

```
.border{ border-color:rgb(184, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3648, 0.5979, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 43) }
```

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

```
.background{ background-color: rgb(184, 0,  
43) }
```

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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