

Converting Colors

$Y_{xy}(11.1372, 0.5646, 0.2884)$

Have a look what the booklet for
Yxy(11.1372, 0.5646, 0.2884)
contains.

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Color

Yxy(11.1777, 0.5645, 0.2883)

Conversions

Conversions Part 1

Format	Color
Hex	BD003F
RGB	189, 0, 63
RGB Percent	74%, 0%, 25%
CMY	0.2588, 1.0000, 0.7529
CMYK	0.00, 1.00, 0.67, 0.26
HSL	340°, 100%, 37%
HSV	340°, 100%, 74%
XYZ	21.8863, 11.1777, 5.7071
YIQ	63.6930, 92.4210, 59.6610

Conversions

Conversions Part 2

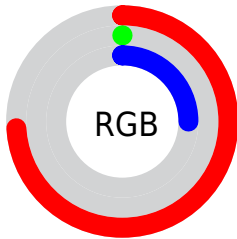
Format	Color
RYB	189, 0, 63
Decimal	12386367
CIELab	39.88, 65.61, 21.49
CIElCh	40, 69.042, 18.138
Yxy	11.1777, 0.5645, 0.2883
Android (android.graphics.Color)	4290576447 (0xFFBD003F)
YUV	63.6930, -0.3416, 109.8942
Hunter-Lab	33.4331, 58.3435, 13.2822

Details

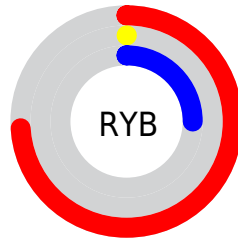
The Yxy color **11.1777, 0.5645, 0.2883** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **37.9080, 0.2561, 0.4419**, and the grayscale version is **5.0695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0077, 0.5017, 0.3051**, and **4.5700, 0.6078, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **11.1796, 0.5645, 0.2883**, and if you desaturate by 10%, it is **11.7994, 0.5339, 0.2798**.

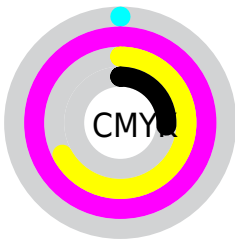
Distribution



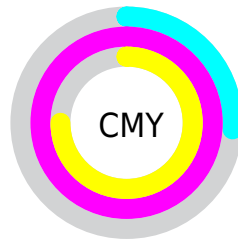
- Red (74%)
- Green (0%)
- Blue (25%)



- Red (74%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (26%)




- Cyan (26%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.1777, 0.5645, 0.2883 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 11.1777, 0.5645, 0.2883 by changing the saturation by 10% instead.


 11.1777, 0.5645,
0.2883


 11.1777, 0.5645,
0.2883


198.8827, 0.4112,
0.3212


 6.1865, 0.6125,
0.2728

 27.9883, 0.5014,
0.3048


 2.9588, 0.6784,
0.2470

 40.5765, 0.4800,
0.3095


 1.1103, 0.7920,
0.2080

 56.4658, 0.4627,
0.3129

 0.0000, 1.0000,
0.0000

 76.0406, 0.4486,
0.3155

 0.0000, 0.0000,
0.0000

 99.6852, 0.4369,
0.3174

 127.7842, 0.4270,

0.3190

160.7219, 0.4185,
0.3202

■ 11.1777, 0.5645,
0.2883

■ 11.1777, 0.5645,
0.2883

■ 11.1796, 0.5645,
0.2883

■ 11.7994, 0.5339,
0.2798

■ 12.9023, 0.5001,
0.2752

■ 14.6535, 0.4656,
0.2754

■ 17.1368, 0.4329,
0.2794

■ 20.4231, 0.4035,
0.2861

■ 24.5750, 0.3781,
0.2943

■ 29.6486, 0.3568,
0.3032

■ 35.6955, 0.3391,
0.3122

■ 42.7634, 0.3246,
0.3208

Harmonies

Analogous

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



11.1777, 0.4301, 0.2155



11.1777, 0.5645, 0.2883



11.1777, 0.5914, 0.3680

Triad

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



11.1777, 0.5645, 0.2883



11.1777, 0.2860, 0.6184



11.1777, 0.1107, 0.1398

Complementary

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



11.1777, 0.5645, 0.2883



37.9080, 0.2561, 0.4419

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.



11.1777, 0.0926, 0.1841



11.1777, 0.5645, 0.2883



11.1777, 0.1745, 0.4928

Square

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



11.1777, 0.5645, 0.2883



11.1777, 0.4132, 0.5755



11.1777, 0.1090, 0.2978



11.1777, 0.1660, 0.1351

Rectangle

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



11.1777, 0.5645, 0.2883



11.1777, 0.5559, 0.4315



11.1777, 0.1090, 0.2978



11.1777, 0.1010, 0.1492

Sweetspot

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



11.1796, 0.5645, 0.2883



52.6168, 0.3577, 0.3028



8.1111, 0.2382, 0.1086



10.4542, 0.3663, 0.2990



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.



11.1796, 0.5645, 0.2883



19.9796, 0.5685, 0.2905



11.8271, 0.6235, 0.3431



9.5874, 0.3237, 0.3214



7.5335, 0.5611, 0.2865



0.3075, 0.4925, 0.2487

Inverse Universe

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



11.1796, 0.5645, 0.2883



19.9796, 0.5685, 0.2905



27.9623, 0.2097, 0.2749



9.5874, 0.3237, 0.3214



7.5335, 0.5611, 0.2865



0.3075, 0.4925, 0.2487

Previews

White Background



This preview shows how the Yxy color 11.1777, 0.5645, 0.2883 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 11.1777, 0.5645, 0.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

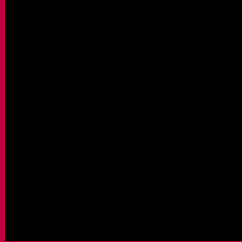
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.1777, 0.5645, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 11.1777, 0.5645, 0.2883.



This preview shows how white text looks on a background with the Yxy color 11.1777, 0.5645, 0.2883.

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

11.1777, 0.5645, 0.2883

Protanopia

11.8087, 0.3216, 0.3359

Deuteranopia

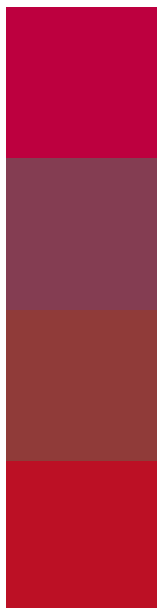
11.7722, 0.4144, 0.4078



Tritanopia

11.4446, 0.6150, 0.3315

Trichromacy



Original Color

11.1777, 0.5645, 0.2883

Protanomaly

8.8522, 0.4155, 0.2895

Deuteranomaly

9.3526, 0.4912, 0.3328

Tritanomaly

11.1955, 0.6032, 0.3177

Monochromacy



Original Color

11.1777, 0.5645, 0.2883

Achromatopsia

5.1269, 0.3127, 0.3290

Achromatomaly

5.2073, 0.4300, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.1777, 0.5645, 0.2883 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 63) }
```

Border

The CSS property to change the border of an element to Yxy 11.1777, 0.5645, 0.2883 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, 63) }
```

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

```
.border{ border-color:rgb(189, 0, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 63)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.1777, 0.5645, 0.2883 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, 63) }
```

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

```
.background{ background-color: rgb(189, 0,  
63) }
```

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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