

Converting Colors

$Y_{xy}(11.6189, 0.5552, 0.2967)$

Have a look what the booklet for
Yxy(11.6189, 0.5552, 0.2967)
contains.

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Color

Yxy(11.6189, 0.5552, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	BB193F
RGB	187, 25, 63
RGB Percent	73%, 10%, 25%
CMY	0.2666, 0.9021, 0.7529
CMYK	0.00, 0.87, 0.66, 0.27
HSL	346°, 76%, 42%
HSV	346°, 87%, 73%
XYZ	21.7419, 11.6189, 5.7997
YIQ	77.7700, 84.3540, 46.1620

Conversions

Conversions Part 2

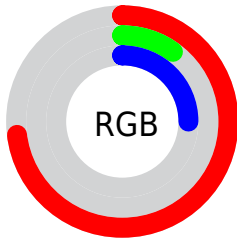
Format	Color
RYB	187, 25, 63
Decimal	12261695
CIELab	40.60, 61.81, 22.34
CIElCh	41, 65.722, 19.874
Yxy	11.6189, 0.5552, 0.2967
Android (android.graphics.Color)	4290451775 (0xFFBB193F)
YUV	77.7700, -7.2816, 95.7947
Hunter-Lab	34.0865, 54.2038, 13.7726

Details

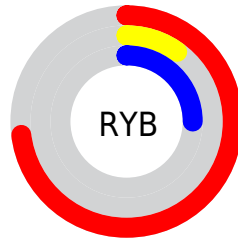
The Yxy color **11.6189, 0.5552, 0.2967** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **37.9239, 0.2457, 0.3950**, and the grayscale version is **7.5714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9320, 0.4953, 0.3117**, and **4.4935, 0.6072, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **10.9222, 0.5881, 0.3042**, and if you desaturate by 10%, it is **12.8837, 0.5169, 0.2929**.

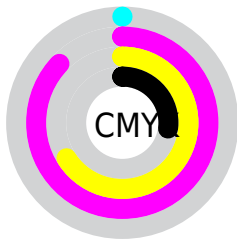
Distribution



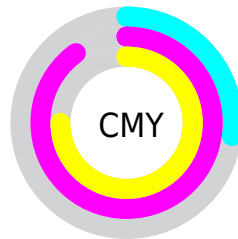
- Red (73%)
- Green (10%)
- Blue (25%)



- Red (73%)
- Yellow (10%)
- Blue (25%)



- Cyan (0%)
- Magenta (87%)
- Yellow (66%)
- Black (27%)





- Cyan (27%)
- Magenta (90%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6189, 0.5552, 0.2967 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 11.6189, 0.5552, 0.2967 by changing the saturation by 10% instead.


 11.6189, 0.5552,
0.2967


 11.6189, 0.5552,
0.2967


201.8657, 0.4080,
0.3244


 6.4847, 0.6012,
0.2829


 28.7991, 0.4947,
0.3111


 3.1420, 0.6646,
0.2594

 41.6139, 0.4741,
0.3150


 1.2063, 0.7760,
0.2240

 57.7577, 0.4575,
0.3178

 0.0669, 0.9643,
0.0357

 77.6149, 0.4440,
0.3199

 0.0000, 1.0000,
0.0000

 101.5699, 0.4327,
0.3215

 0.0000, 0.0000,
0.0000

 130.0072, 0.4232,

0.3227

163.3109, 0.4150,
0.3237

■ 11.6189, 0.5552,
0.2967

■ 11.6189, 0.5552,
0.2967

■ 10.9222, 0.5881,
0.3042

■ 12.8837, 0.5169,
0.2929

■ 10.7483, 0.5979,
0.3067

■ 14.8183, 0.4774,
0.2928

■ 17.5011, 0.4402,
0.2958

■ 20.9990, 0.4072,
0.3007

■ 25.3717, 0.3791,
0.3066

■ 30.6730, 0.3559,
0.3129

■ 36.9524, 0.3368,
0.3192

■ 44.2560, 0.3214,
0.3252

■ 52.6268, 0.3088,
0.3308

Harmonies

Analogous

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



11.6189, 0.4327, 0.2248



11.6189, 0.5552, 0.2967



11.6189, 0.5774, 0.3758

Triad

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



11.6189, 0.5552, 0.2967



11.6189, 0.2844, 0.5976



11.6189, 0.1203, 0.1464

Complementary

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



11.6189, 0.5552, 0.2967



37.9239, 0.2457, 0.3950

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.



11.6189, 0.1008, 0.1879



11.6189, 0.5552, 0.2967



11.6189, 0.1776, 0.4710

Square

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



11.6189, 0.5552, 0.2967



11.6189, 0.4044, 0.5676



11.6189, 0.1158, 0.2927



11.6189, 0.1771, 0.1433

Rectangle

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



11.6189, 0.5552, 0.2967



11.6189, 0.5415, 0.4367



11.6189, 0.1158, 0.2927



11.6189, 0.1101, 0.1551

Sweetspot

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



11.6196, 0.5552, 0.2967



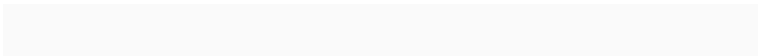
55.1654, 0.3554, 0.3131



10.4395, 0.2670, 0.1311



11.3753, 0.3629, 0.3109



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.



11.6196, 0.5552, 0.2967



19.2156, 0.6015, 0.3087



14.4725, 0.5707, 0.3656



9.5721, 0.3252, 0.3236



7.4135, 0.5949, 0.3051



0.3009, 0.5259, 0.2671

Inverse Universe

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



11.6196, 0.5552, 0.2967



19.2156, 0.6015, 0.3087



24.5083, 0.2078, 0.2581



9.5721, 0.3252, 0.3236



7.4135, 0.5949, 0.3051



0.3009, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 11.6189, 0.5552, 0.2967 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 11.6189, 0.5552, 0.2967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

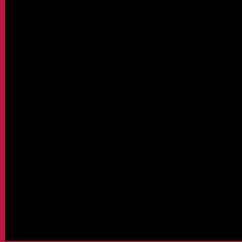
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6189, 0.5552, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 11.6189, 0.5552, 0.2967.



This preview shows how white text looks on a background with the Yxy color 11.6189, 0.5552, 0.2967.

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

11.6189, 0.5552, 0.2967

Protanopia

12.0543, 0.3288, 0.3450

Deuteranopia

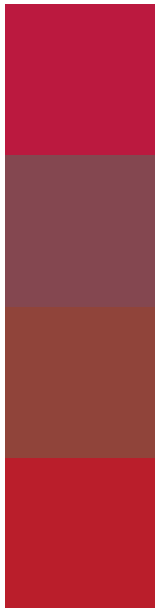
12.0265, 0.4135, 0.4073



Tritanopia

11.6311, 0.5983, 0.3305

Trichromacy



Original Color

11.6189, 0.5552, 0.2967

Protanomaly

9.9912, 0.4126, 0.3119

Deuteranomaly

10.3690, 0.4785, 0.3462

Tritanomaly

11.5421, 0.5860, 0.3198

Monochromacy



Original Color

11.6189, 0.5552, 0.2967

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.4605, 0.4111, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6189, 0.5552, 0.2967 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(187, 25, 63)` looks like.

```
.text, #text, p{  
    color:rgb(187, 25, 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(187, 25, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 25, 63) }
```

Border

The CSS property to change the border of an element to Yxy 11.6189, 0.5552, 0.2967 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(187, 25, 63) }
```

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

```
.border{ border-color:rgb(187, 25, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 25, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 25, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 25, 63);  
box-shadow:4px 4px 4px 4px rgb(187, 25,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6189, 0.5552, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 25, 63) }
```

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

```
.background{ background-color: rgb(187, 25,  
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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