

Converting Colors

$Y_{xy}(16.9132, 0.3536, 0.2183)$

Have a look what the booklet for
Yxy(16.9132, 0.3536, 0.2183)
contains.

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Color

Yxy(16.8588, 0.3532, 0.2175)

Conversions

Conversions Part 1

Format	Color
Hex	B5489C
RGB	181, 72, 156
RGB Percent	71%, 28%, 61%
CMY	0.2902, 0.7177, 0.3881
CMYK	0.00, 0.60, 0.14, 0.29
HSL	314°, 43%, 50%
HSV	314°, 60%, 71%
XYZ	27.3771, 16.8588, 33.2758
YIQ	114.1670, 38.0000, 49.2320

Conversions

Conversions Part 2

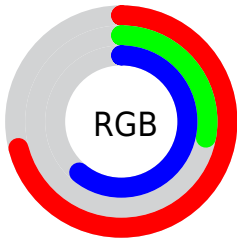
Format	Color
RYB	181, 72, 156
Decimal	11880604
CIELab	48.08, 53.99, -24.23
CIELCh	48, 59.181, 335.831
Yxy	16.8588, 0.3532, 0.2175
Android (android.graphics.Color)	4290070684 (0xFFB5489C)
YUV	114.1670, 20.6237, 58.6125
Hunter-Lab	41.0595, 47.1640, -19.3087

Details

The Yxy color **16.8588, 0.3532, 0.2175** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **35.2906, 0.2900, 0.4793**, and the grayscale version is **16.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9756, 0.3451, 0.2391**, and **5.4680, 0.3664, 0.1820** is the 20% darker color. If you saturate the color by 10%, you get **14.7160, 0.3622, 0.2048**, and if you desaturate by 10%, it is **19.6969, 0.3446, 0.2334**.

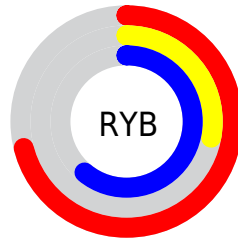
Distribution



Red (71%)

Green (28%)

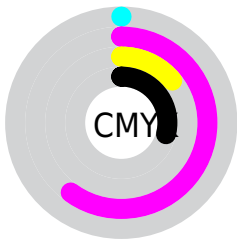
Blue (61%)



Red (71%)

Yellow (28%)

Blue (61%)

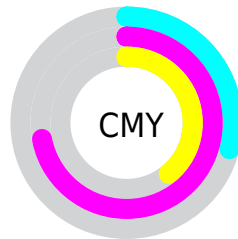


Cyan (0%)

Magenta (60%)

Yellow (14%)

Black (29%)



Cyan (29%)

Magenta (72%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8588, 0.3532, 0.2175 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 16.8588, 0.3532, 0.2175 by changing the saturation by 10% instead.

 16.8588, 0.3532,
0.2175


 16.8588, 0.3532,
0.2175


234.3574, 0.3323,
0.2765


 10.1339, 0.3585,
0.2019


 38.0828, 0.3455,
0.2396


 5.4878, 0.3653,
0.1815


 53.3507, 0.3426,
0.2478

 2.5362, 0.3741,
0.1539


 72.2351, 0.3402,
0.2545

 0.8947, 0.3854,
0.1154

 95.1203, 0.3382,
0.2603

 0.0000, 0.4247,
0.0000

 122.3907, 0.3364,
0.2652

 0.0000, 0.1991,
0.0000

154.4308, 0.3348,

 0.0000, 0.0000,

0.2695

0.0000

191.6249, 0.3335,
0.2732

■ 16.8588, 0.3532,
0.2175

■ 16.8588, 0.3532,
0.2175

■ 14.7160, 0.3622,
0.2048

■ 19.6969, 0.3446,
0.2334

■ 13.2034, 0.3713,
0.1961

■ 23.2827, 0.3367,
0.2515

■ 12.2482, 0.3803,
0.1919

■ 27.6665, 0.3295,
0.2708

■ 11.7043, 0.3888,
0.1916

■ 32.8935, 0.3231,
0.2904

■ 39.0054, 0.3176,
0.3099

■ 46.0412, 0.3128,
0.3286

■ 54.0377, 0.3087,
0.3463

■ 63.0295, 0.3053,
0.3629

■ 73.0495, 0.3024,
0.3782

Harmonies

Analogous

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



16.8588, 0.2434, 0.1796



16.8588, 0.3532, 0.2175



16.8588, 0.4691, 0.2764

Triad

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



16.8588, 0.3532, 0.2175



16.8588, 0.4447, 0.4998



16.8588, 0.1339, 0.2497

Complementary

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



16.8588, 0.3532, 0.2175



35.2906, 0.2900, 0.4793

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.



16.8588, 0.1690, 0.3650



16.8588, 0.3532, 0.2175



16.8588, 0.3469, 0.5456

Square

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



16.8588, 0.3532, 0.2175



16.8588, 0.5164, 0.4222



16.8588, 0.2459, 0.4968



16.8588, 0.1358, 0.1882

Rectangle

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



16.8588, 0.3532, 0.2175



16.8588, 0.5198, 0.3222



16.8588, 0.2459, 0.4968



16.8588, 0.1411, 0.2823

Sweetspot

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



16.8596, 0.3532, 0.2175



60.8891, 0.3220, 0.2942



10.4361, 0.2181, 0.1474



12.5259, 0.3237, 0.2886



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.



16.8596, 0.3532, 0.2175



25.4350, 0.3649, 0.2017



15.4352, 0.4429, 0.2870



8.6127, 0.3171, 0.3116



8.0789, 0.3878, 0.1910



0.2624, 0.3657, 0.1788

Inverse Universe

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



16.8596, 0.3532, 0.2175



25.4350, 0.3649, 0.2017



36.6339, 0.2574, 0.3815



8.6127, 0.3171, 0.3116



8.0789, 0.3878, 0.1910



0.2624, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 16.8588, 0.3532, 0.2175 looks on a white background.

Color Contrast Check

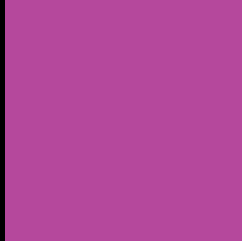
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8588, 0.3532, 0.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

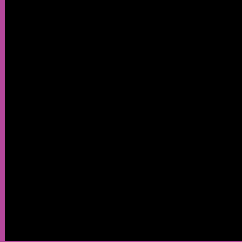
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8588, 0.3532, 0.2175

Background



This preview shows how black text looks on a background with the Yxy color 16.8588, 0.3532, 0.2175.



This preview shows how white text looks on a background with the Yxy color 16.8588, 0.3532, 0.2175.

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

16.8588, 0.3532, 0.2175

Protanopia

17.1473, 0.2161, 0.1988

Deuteranopia

17.1060, 0.2663, 0.2619



Tritanopia

16.9016, 0.4399, 0.3206

Trichromacy



Original Color

16.8588, 0.3532, 0.2175

Protanomaly

15.6457, 0.2508, 0.1980

Deuteranomaly

16.0707, 0.2935, 0.2374

Tritanomaly

16.6661, 0.4074, 0.2788

Monochromacy



Original Color

16.8588, 0.3532, 0.2175

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

15.9119, 0.3279, 0.2760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8588, 0.3532, 0.2175 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(181, 72, 156)` looks like.

```
.text, #text, p{  
    color:rgb(181, 72, 156)  
}
```

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(181, 72, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 72, 156) }
```

Border

The CSS property to change the border of an element to Yxy 16.8588, 0.3532, 0.2175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

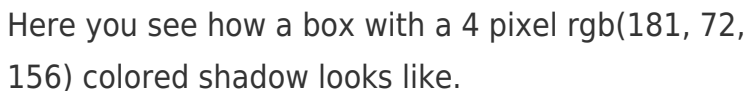
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 72, 156) }
```

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

```
.border{ border-color:rgb(181, 72, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 72, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 72, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 72, 156); box-shadow:4px 4px 4px 4px rgb(181, 72, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8588, 0.3532, 0.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 72, 156) }
```

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

```
.background{ background-color: rgb(181, 72,  
156) }
```

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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