

Converting Colors

$Y_{xy}(16.5839, 0.3696, 0.2309)$

Have a look what the booklet for
Yxy(16.5839, 0.3696, 0.2309)
contains.

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Color

Yxy(16.6332, 0.3699, 0.2317)

Conversions

Conversions Part 1

Format	Color
Hex	B54991
RGB	181, 73, 145
RGB Percent	71%, 29%, 57%
CMY	0.2901, 0.7138, 0.4314
CMYK	0.00, 0.60, 0.20, 0.29
HSL	320°, 43%, 50%
HSV	320°, 60%, 71%
XYZ	26.5543, 16.6332, 28.6002
YIQ	113.5000, 41.2560, 45.2880

Conversions

Conversions Part 2

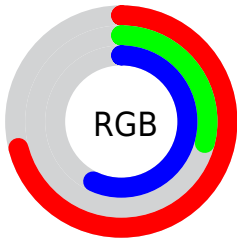
Format	Color
R_{YB}	181, 73, 145
Decimal	11880849
CIE _{Lab}	47.79, 51.89, -18.09
CIE _{LCh}	48, 54.953, 340.775
Yxy	16.6332, 0.3699, 0.2317
Android (android.graphics.Color)	4290070929 (0xFFB54991)
YUV	113.5000, 15.5295, 59.1975
Hunter-Lab	40.7838, 44.8493, -13.0292

Details

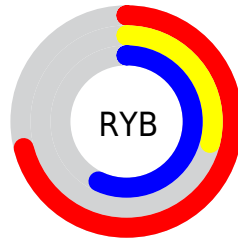
The Yxy color **16.6332, 0.3699, 0.2317** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **35.5787, 0.2833, 0.4574**, and the grayscale version is **16.6123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6530, 0.3575, 0.2516**, and **5.3852, 0.3915, 0.1991** is the 20% darker color. If you saturate the color by 10%, you get **14.4110, 0.3837, 0.2205**, and if you desaturate by 10%, it is **19.5591, 0.3571, 0.2459**.

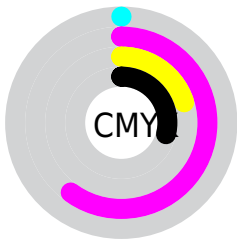
Distribution



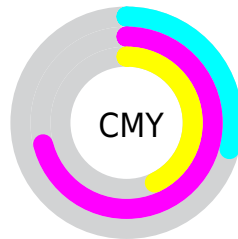
- Red (71%)
- Green (29%)
- Blue (57%)



- Red (71%)
- Yellow (29%)
- Blue (57%)



- Cyan (0%)
- Magenta (60%)
- Yellow (20%)
- Black (29%)





- Cyan (29%)
- Magenta (71%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6332, 0.3699, 0.2317 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 16.6332, 0.3699, 0.2317 by changing the saturation by 10% instead.


 16.6332, 0.3699,
0.2317


 16.6332, 0.3699,
0.2317


233.0497, 0.3386,
0.2842


 9.9733, 0.3787,
0.2174


 37.6940, 0.3579,
0.2517


 5.3813, 0.3905,
0.1983


 52.8638, 0.3535,
0.2589

 2.4727, 0.4073,
0.1718

 71.6389, 0.3500,
0.2649

 0.8629, 0.4326,
0.1332

 94.4039, 0.3470,
0.2700

 0.0000, 0.5122,
0.0000

 121.5430, 0.3444,
0.2743

 0.0000, 0.0000,
0.0000

153.4408, 0.3422,

0.2780

190.4815, 0.3403,
0.2813

■ 16.6332, 0.3699,
0.2317

■ 16.6332, 0.3699,
0.2317

■ 14.4110, 0.3837,
0.2205

■ 19.5591, 0.3571,
0.2459

■ 12.8278, 0.3981,
0.2133

■ 23.2409, 0.3455,
0.2621

■ 11.8114, 0.4125,
0.2108

■ 27.7288, 0.3353,
0.2791

■ 11.2165, 0.4267,
0.2126

■ 33.0678, 0.3265,
0.2964

■ 11.1994, 0.4272,
0.2127

■ 39.2996, 0.3189,
0.3133

■ 46.4632, 0.3125,
0.3295

■ 54.5953, 0.3072,
0.3447

■ 63.7305, 0.3027,
0.3589

■ 73.9019, 0.2989,
0.3720

Harmonies

Analogous

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



16.6332, 0.2629, 0.1914



16.6332, 0.3699, 0.2317



16.6332, 0.4733, 0.2908

Triad

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



16.6332, 0.3699, 0.2317



16.6332, 0.4257, 0.5021



16.6332, 0.1410, 0.2426

Complementary

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



16.6332, 0.3699, 0.2317



35.5787, 0.2833, 0.4574

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.



16.6332, 0.1692, 0.3429



16.6332, 0.3699, 0.2317



16.6332, 0.3312, 0.5301

Square

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



16.6332, 0.3699, 0.2317



16.6332, 0.4979, 0.4327



16.6332, 0.2369, 0.4667



16.6332, 0.1477, 0.1906

Rectangle

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



16.6332, 0.3699, 0.2317



16.6332, 0.5134, 0.3358



16.6332, 0.2369, 0.4667



16.6332, 0.1462, 0.2706

Sweetspot

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



16.6340, 0.3699, 0.2317



60.6520, 0.3254, 0.2988



11.3508, 0.2320, 0.1546



12.4672, 0.3277, 0.2939



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.



16.6340, 0.3699, 0.2317



24.6800, 0.3887, 0.2174



15.3447, 0.4638, 0.3050



8.5976, 0.3187, 0.3139



7.7314, 0.4255, 0.2118



0.2536, 0.3897, 0.1921

Inverse Universe

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



16.6340, 0.3699, 0.2317



24.6800, 0.3887, 0.2174



37.1195, 0.2502, 0.3588



8.5976, 0.3187, 0.3139



7.7314, 0.4255, 0.2118



0.2536, 0.3897, 0.1921

Previews

White Background



This preview shows how the Yxy color 16.6332, 0.3699, 0.2317 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 16.6332, 0.3699, 0.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

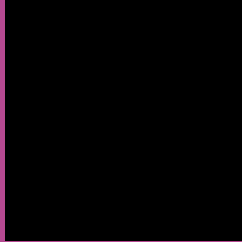
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6332, 0.3699, 0.2317

Background



This preview shows how black text looks on a background with the Yxy color 16.6332, 0.3699, 0.2317.



This preview shows how white text looks on a background with the Yxy color 16.6332, 0.3699, 0.2317.

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

16.6332, 0.3699, 0.2317

Protanopia

16.9588, 0.2307, 0.2180

Deuteranopia

16.9631, 0.2829, 0.2780



Tritanopia

16.6584, 0.4460, 0.3207

Trichromacy



Original Color

16.6332, 0.3699, 0.2317

Protanomaly

15.7008, 0.2684, 0.2174

Deuteranomaly

16.0617, 0.3121, 0.2550

Tritanomaly

16.4975, 0.4195, 0.2863

Monochromacy



Original Color

16.6332, 0.3699, 0.2317

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.6193, 0.3336, 0.2809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6332, 0.3699, 0.2317 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, 73, 145)` looks like.

```
.text, #text, p{  
    color:rgb(181, 73, 145)  
}
```

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, 73, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 73, 145) }
```

Border

The CSS property to change the border of an element to Yxy 16.6332, 0.3699, 0.2317 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, 73, 145) }
```

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

```
.border{ border-color:rgb(181, 73, 145) }
```

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

Here you see how a box with a 4 pixel rgb(181, 73, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 73, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 73, 145);  
box-shadow:4px 4px 4px 4px rgb(181, 73,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6332, 0.3699, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 73, 145) }
```

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

```
.background{ background-color: rgb(181, 73,  
145) }
```

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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