

Converting Colors

$Y_{xy}(17.4410, 0.3556, 0.2154)$

Have a look what the booklet for
Yxy(17.4410, 0.3556, 0.2154)
contains.

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Color

Yxy(17.4488, 0.3557, 0.2158)

Conversions

Conversions Part 1

Format	Color
Hex	BA479F
RGB	186, 71, 159
RGB Percent	73%, 28%, 62%
CMY	0.2706, 0.7215, 0.3765
CMYK	0.00, 0.62, 0.15, 0.27
HSL	314°, 45%, 50%
HSV	314°, 62%, 73%
XYZ	28.7606, 17.4488, 34.6469
YIQ	115.4170, 40.2920, 51.7480

Conversions

Conversions Part 2

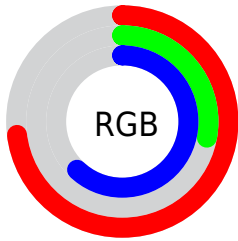
Format	Color
R _Y B	186, 71, 159
Decimal	12208031
CIE Lab	48.82, 56.28, -24.78
CIE LCh	49, 61.494, 336.234
Yxy	17.4488, 0.3557, 0.2158
Android (android.graphics.Color)	4290398111 (0xFFBA479F)
YUV	115.4170, 21.4864, 61.9013
Hunter-Lab	41.7718, 49.7999, -19.9369

Details

The Yxy color **17.4488, 0.3557, 0.2158** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.3415, 0.2893, 0.4831**, and the grayscale version is **17.2027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1892, 0.3478, 0.2381**, and **5.8074, 0.3698, 0.1811** is the 20% darker color. If you saturate the color by 10%, you get **15.2857, 0.3650, 0.2038**, and if you desaturate by 10%, it is **20.3429, 0.3468, 0.2312**.

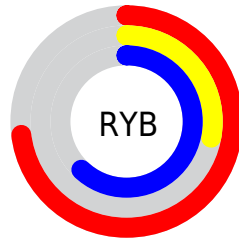
Distribution



Red (73%)

Green (28%)

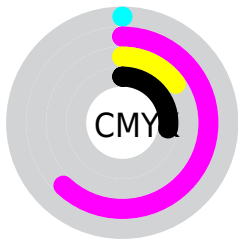
Blue (62%)



Red (73%)

Yellow (28%)

Blue (62%)

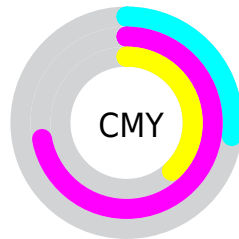


Cyan (0%)

Magenta (62%)

Yellow (15%)

Black (27%)



Cyan (27%)


Magenta (72%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4488, 0.3557, 0.2158 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 17.4488, 0.3557, 0.2158 by changing the saturation by 10% instead.


 17.4488, 0.3557,
0.2158


 17.4488, 0.3557,
0.2158


237.7456, 0.3336,
0.2753


 10.5550, 0.3613,
0.2003


 39.0958, 0.3476,
0.2380


 5.7685, 0.3684,
0.1800


 54.6178, 0.3445,
0.2462


 2.7048, 0.3777,
0.1529


 73.7847, 0.3420,
0.2530

 0.9796, 0.3898,
0.1154

 96.9808, 0.3398,
0.2588

 0.0000, 0.4318,
0.0000

 124.5905, 0.3379,
0.2638

 0.0000, 0.3391,
0.0000

156.9983, 0.3363,

 0.0000, 0.0000,

0.2681

0.0000

194.5885, 0.3348,
0.2719

■ 17.4488, 0.3557,
0.2158

■ 17.4488, 0.3557,
0.2158

■ 15.2857, 0.3650,
0.2038

■ 20.3429, 0.3468,
0.2312

■ 13.7826, 0.3744,
0.1959

■ 24.0255, 0.3385,
0.2489

■ 12.8586, 0.3836,
0.1927

■ 28.5510, 0.3310,
0.2680

■ 12.4018, 0.3910,
0.1928

■ 33.9684, 0.3244,
0.2875

■ 40.3230, 0.3186,
0.3069

■ 47.6569, 0.3135,
0.3257

■ 56.0097, 0.3093,
0.3435

■ 65.4187, 0.3057,
0.3601

■ 75.9195, 0.3026,
0.3756

Harmonies

Analogous

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



17.4488, 0.2428, 0.1770



17.4488, 0.3557, 0.2158



17.4488, 0.4746, 0.2758

Triad

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



17.4488, 0.3557, 0.2158



17.4488, 0.4453, 0.5037



17.4488, 0.1302, 0.2461

Complementary

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



17.4488, 0.3557, 0.2158



37.3415, 0.2893, 0.4831

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.



17.4488, 0.1648, 0.3638



17.4488, 0.3557, 0.2158



17.4488, 0.3451, 0.5516

Square

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



17.4488, 0.3557, 0.2158



17.4488, 0.5198, 0.4238



17.4488, 0.2423, 0.5007



17.4488, 0.1327, 0.1845

Rectangle

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



17.4488, 0.3557, 0.2158



17.4488, 0.5258, 0.3222



17.4488, 0.2423, 0.5007



17.4488, 0.1371, 0.2790

Sweetspot

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



17.4496, 0.3557, 0.2158



64.2961, 0.3228, 0.2924



10.6404, 0.2168, 0.1429



13.4724, 0.3246, 0.2868



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.



17.4496, 0.3557, 0.2158



26.6513, 0.3682, 0.2006



15.8997, 0.4522, 0.2889



9.1257, 0.3172, 0.3117



8.3552, 0.3899, 0.1921



0.3034, 0.3687, 0.1805

Inverse Universe

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



17.4496, 0.3557, 0.2158



26.6513, 0.3682, 0.2006



38.8372, 0.2554, 0.3799



9.1257, 0.3172, 0.3117



8.3552, 0.3899, 0.1921



0.3034, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 17.4488, 0.3557, 0.2158 looks on a white background.

Color Contrast Check

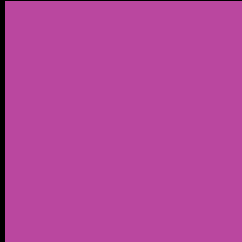
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4488, 0.3557, 0.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

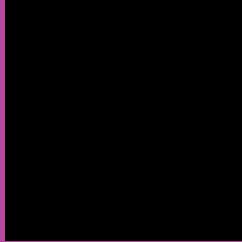
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4488, 0.3557, 0.2158

Background



This preview shows how black text looks on a background with the Yxy color 17.4488, 0.3557, 0.2158.



This preview shows how white text looks on a background with the Yxy color 17.4488, 0.3557, 0.2158.

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

17.4488, 0.3557, 0.2158

Protanopia

17.8145, 0.2141, 0.1965

Deuteranopia

17.7797, 0.2660, 0.2612



Tritanopia

17.4909, 0.4464, 0.3209

Trichromacy



Original Color

17.4488, 0.3557, 0.2158



Protanomaly

16.1365, 0.2497, 0.1957



Deuteranomaly

16.6086, 0.2938, 0.2358



Tritanomaly

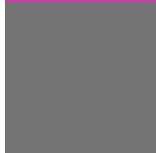
17.2877, 0.4126, 0.2789

Monochromacy



Original Color

17.4488, 0.3557, 0.2158



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.2251, 0.3293, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4488, 0.3557, 0.2158 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(186, 71, 159)` looks like.

```
.text, #text, p{  
    color:rgb(186, 71, 159)  
}
```

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(186, 71, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 71, 159) }
```

Border

The CSS property to change the border of an element to Yxy 17.4488, 0.3557, 0.2158 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(186, 71, 159) }
```

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

```
.border{ border-color:rgb(186, 71, 159) }
```

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

Here you see how a box with a 4 pixel rgb(186, 71, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 71, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 71, 159);  
box-shadow:4px 4px 4px 4px rgb(186, 71,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4488, 0.3557, 0.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 71, 159) }
```

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

```
.background{ background-color: rgb(186, 71,  
159) }
```

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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