

Converting Colors

$Y_{xy}(17.7573, 0.3343, 0.1979)$

Have a look what the booklet for
Yxy(17.7573, 0.3343, 0.1979)
contains.

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Color

Yxy(17.7513, 0.3348, 0.1980)

Conversions

Conversions Part 1

Format	Color
Hex	BA45AE
RGB	186, 69, 174
RGB Percent	73%, 27%, 68%
CMY	0.2706, 0.7294, 0.3177
CMYK	0.00, 0.63, 0.06, 0.27
HSL	306°, 46%, 50%
HSV	306°, 63%, 73%
XYZ	30.0158, 17.7513, 41.8859
YIQ	115.9530, 36.0270, 57.4590

Conversions

Conversions Part 2

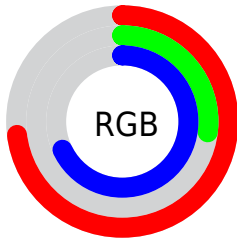
Format	Color
R_{YB}	186, 69, 174
Decimal	12207534
CIE _{Lab}	49.19, 59.49, -33.05
CIE _{LCh}	49, 68.054, 330.941
Yxy	17.7513, 0.3348, 0.1980
Android (android.graphics.Color)	4290397614 (0xFFBA45AE)
YUV	115.9530, 28.6172, 61.4312
Hunter-Lab	42.1323, 53.4352, -29.4507

Details

The Yxy color **17.7513, 0.3348, 0.1980** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **36.9747, 0.2975, 0.5117**, and the grayscale version is **17.3542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7929, 0.3321, 0.2229**, and **6.1263, 0.3385, 0.1639** is the 20% darker color. If you saturate the color by 10%, you get **15.7371, 0.3388, 0.1847**, and if you desaturate by 10%, it is **20.4853, 0.3308, 0.2149**.

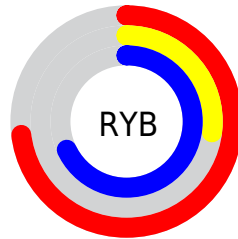
Distribution



Red (73%)

Green (27%)

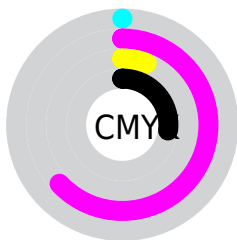
Blue (68%)



Red (73%)

Yellow (27%)

Blue (68%)

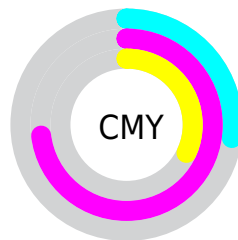


Cyan (0%)

Magenta (63%)

Yellow (6%)

Black (27%)



Cyan (27%)


Magenta (73%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7513, 0.3348, 0.1980 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 17.7513, 0.3348, 0.1980 by changing the saturation by 10% instead.


 17.7513, 0.3348,
0.1980


 17.7513, 0.3348,
0.1980


239.4655, 0.3254,
0.2651


 10.7716, 0.3364,
0.1812


 39.6131, 0.3319,
0.2226


 5.9135, 0.3378,
0.1598


 55.2639, 0.3307,
0.2318


 2.7925, 0.3384,
0.1320


 74.5740, 0.3295,
0.2395

 1.0244, 0.3366,
0.0955

 97.9276, 0.3285,
0.2461

 0.0000, 0.3440,
0.0000

 125.7091, 0.3276,
0.2519

 0.0000, 0.2380,
0.0000

158.3030, 0.3268,

 0.0000, 0.0000,

0.2569

0.0000

196.0937, 0.3261,
0.2613

■ 17.7513, 0.3348,
0.1980

■ 17.7513, 0.3348,
0.1980

■ 15.7371, 0.3388,
0.1847

■ 20.4853, 0.3308,
0.2149

■ 14.3705, 0.3426,
0.1756

■ 23.9972, 0.3268,
0.2345

■ 13.5689, 0.3462,
0.1709

■ 28.3420, 0.3230,
0.2560

■ 13.2251, 0.3486,
0.1694

■ 33.5692, 0.3195,
0.2783

■ 39.7242, 0.3163,
0.3008

■ 46.8494, 0.3135,
0.3228

■ 54.9847, 0.3110,
0.3438

■ 64.1676, 0.3088,
0.3636

■ 74.4336, 0.3069,
0.3821

Harmonies

Analogous

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



17.7513, 0.2191, 0.1621



17.7513, 0.3348, 0.1980



17.7513, 0.4697, 0.2578

Triad

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



17.7513, 0.3348, 0.1980



17.7513, 0.4682, 0.4985



17.7513, 0.1203, 0.2546

Complementary

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



17.7513, 0.3348, 0.1980



36.9747, 0.2975, 0.5117

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.



17.7513, 0.1632, 0.3944



17.7513, 0.3348, 0.1980



17.7513, 0.3626, 0.5686

Square

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



17.7513, 0.3348, 0.1980



17.7513, 0.5437, 0.4098



17.7513, 0.2519, 0.5409



17.7513, 0.1177, 0.1803

Rectangle

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



17.7513, 0.3348, 0.1980



17.7513, 0.5349, 0.3052



17.7513, 0.2519, 0.5409



17.7513, 0.1295, 0.2941

Sweetspot

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



17.7521, 0.3348, 0.1980



64.6472, 0.3183, 0.2864



9.5397, 0.2010, 0.1335



13.5607, 0.3193, 0.2799



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.



17.7521, 0.3348, 0.1980



27.5735, 0.3401, 0.1812



15.9528, 0.4277, 0.2674



9.1464, 0.3153, 0.3087



8.9047, 0.3482, 0.1692



0.3185, 0.3403, 0.1648

Inverse Universe

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



17.7521, 0.3348, 0.1980



27.5735, 0.3401, 0.1812



38.2504, 0.2640, 0.4090



9.1464, 0.3153, 0.3087



8.9047, 0.3482, 0.1692



0.3185, 0.3403, 0.1648

Previews

White Background



This preview shows how the Yxy color 17.7513, 0.3348, 0.1980 looks on a white background.

Color Contrast Check

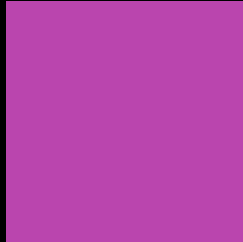
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7513, 0.3348, 0.1980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

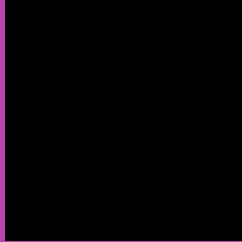
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7513, 0.3348, 0.1980

Background



This preview shows how black text looks on a background with the Yxy color 17.7513, 0.3348, 0.1980.



This preview shows how white text looks on a background with the Yxy color 17.7513, 0.3348, 0.1980.

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

17.7513, 0.3348, 0.1980

Protanopia

18.1186, 0.1962, 0.1731

Deuteranopia

17.9533, 0.2454, 0.2397



Tritanopia

17.8102, 0.4368, 0.3207

Trichromacy



Original Color

17.7513, 0.3348, 0.1980



Protanomaly

16.2384, 0.2270, 0.1736



Deuteranomaly

16.6135, 0.2717, 0.2151



Tritanomaly

17.4909, 0.3992, 0.2701

Monochromacy



Original Color

17.7513, 0.3348, 0.1980



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.3925, 0.3213, 0.2638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7513, 0.3348, 0.1980 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, 69, 174)` looks like.

```
.text, #text, p{  
    color:rgb(186, 69, 174)  
}
```

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, 69, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 69, 174) }
```

Border

The CSS property to change the border of an element to Yxy 17.7513, 0.3348, 0.1980 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, 69, 174) }
```

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

```
.border{ border-color:rgb(186, 69, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 69, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 69, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 69, 174);  
box-shadow:4px 4px 4px 4px rgb(186, 69,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7513, 0.3348, 0.1980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 69, 174) }
```

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

```
.background{ background-color: rgb(186, 69,  
174) }
```

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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