

Converting Colors

$Y_{xy}(17.4829, 0.3198, 0.1850)$

Have a look what the booklet for
Yxy(17.4829, 0.3198, 0.1850)
contains.

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Color

Yxy(17.5057, 0.3207, 0.1855)

Conversions

Conversions Part 1

Format	Color
Hex	B842B7
RGB	184, 66, 183
RGB Percent	72%, 26%, 72%
CMY	0.2784, 0.7412, 0.2822
CMYK	0.00, 0.64, 0.01, 0.28
HSL	300°, 47%, 49%
HSV	300°, 64%, 72%
XYZ	30.2646, 17.5057, 46.6001
YIQ	114.6200, 32.7710, 61.4030

Conversions

Conversions Part 2

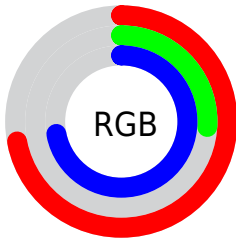
Format	Color
R_{YB}	184, 66, 183
Decimal	12075703
CIE _{Lab}	48.89, 61.73, -38.84
CIE _{LCh}	49, 72.930, 327.822
Yxy	17.5057, 0.3207, 0.1855
Android (android.graphics.Color)	4290265783 (0xFFB842B7)
YUV	114.6200, 33.7113, 60.8463
Hunter-Lab	41.8398, 55.8972, -36.7478

Details

The Yxy color **17.5057, 0.3207, 0.1855** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **35.8431, 0.3027, 0.5319**, and the grayscale version is **16.9128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2057, 0.3220, 0.2122**, and **6.0970, 0.3172, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **15.6852, 0.3216, 0.1719**, and if you desaturate by 10%, it is **20.0192, 0.3196, 0.2029**.

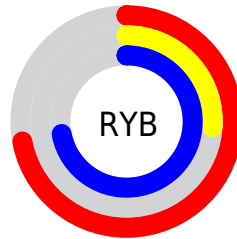
Distribution



Red (72%)

Green (26%)

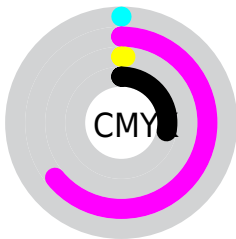
Blue (72%)



Red (72%)

Yellow (26%)

Blue (72%)

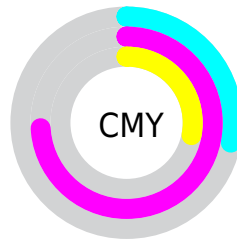


Cyan (0%)

Magenta (64%)

Yellow (1%)

Black (28%)



Cyan (28%)


Magenta (74%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5057, 0.3207, 0.1855 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 17.5057, 0.3207, 0.1855 by changing the saturation by 10% instead.


 17.5057, 0.3207,
0.1855


 17.5057, 0.3207,
0.1855


238.0700, 0.3198,
0.2580

 10.5957, 0.3197,
0.1678


 39.1932, 0.3212,
0.2117


 5.7957, 0.3175,
0.1456


 54.7395, 0.3211,
0.2216


 2.7212, 0.3130,
0.1174


 73.9334, 0.3210,
0.2300

 0.9880, 0.3035,
0.0817

 97.1592, 0.3208,
0.2372

 0.0000, 0.2935,
0.0000

 124.8014, 0.3205,
0.2435

 0.0000, 0.1903,
0.0000

157.2443, 0.3203,

 0.0000, 0.0000,

0.2489

0.0000

194.8724, 0.3200,
0.2538

■ 17.5057, 0.3207,
0.1855

■ 17.5057, 0.3207,
0.1855

■ 15.6852, 0.3216,
0.1719

■ 20.0192, 0.3196,
0.2029

■ 14.4862, 0.3223,
0.1625

■ 23.2832, 0.3184,
0.2235

■ 13.8262, 0.3227,
0.1572

■ 27.3520, 0.3172,
0.2463

■ 13.5878, 0.3230,
0.1553

■ 32.2742, 0.3158,
0.2704

■ 38.0946, 0.3145,
0.2949

■ 44.8547, 0.3132,
0.3192

■ 52.5936, 0.3120,
0.3426

■ 61.3482, 0.3109,
0.3647

■ 71.1534, 0.3098,
0.3854

Harmonies

Analogous

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



17.5057, 0.2030, 0.1513



17.5057, 0.3207, 0.1855



17.5057, 0.4671, 0.2454

Triad

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



17.5057, 0.3207, 0.1855



17.5057, 0.4836, 0.4939



17.5057, 0.1125, 0.2598

Complementary

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



17.5057, 0.3207, 0.1855



35.8431, 0.3027, 0.5319

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.



17.5057, 0.1605, 0.4177



17.5057, 0.3207, 0.1855



17.5057, 0.3730, 0.5791

Square

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



17.5057, 0.3207, 0.1855



17.5057, 0.5611, 0.3997



17.5057, 0.2566, 0.5705



17.5057, 0.1069, 0.1762

Rectangle

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



17.5057, 0.3207, 0.1855



17.5057, 0.5426, 0.2935



17.5057, 0.2566, 0.5705



17.5057, 0.1230, 0.3046

Sweetspot

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



17.5065, 0.3207, 0.1855



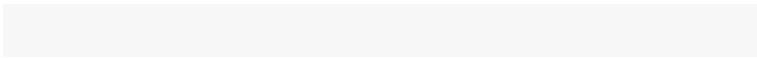
63.3776, 0.3152, 0.2822



8.5150, 0.1898, 0.1258



13.0330, 0.3156, 0.2752



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.5065, 0.3207, 0.1855



27.4017, 0.3219, 0.1675



15.5669, 0.4096, 0.2509



9.1614, 0.3139, 0.3067



9.3654, 0.3229, 0.1553



0.3306, 0.3224, 0.1550

Inverse Universe

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



17.5065, 0.3207, 0.1855



27.4017, 0.3219, 0.1675



36.9189, 0.2706, 0.4327



9.1614, 0.3139, 0.3067



9.3654, 0.3229, 0.1553



0.3306, 0.3224, 0.1550

Previews

White Background



This preview shows how the Yxy color 17.5057, 0.3207, 0.1855 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 17.5057, 0.3207, 0.1855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

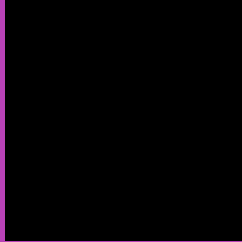
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5057, 0.3207, 0.1855

Background



This preview shows how black text looks on a background with the Yxy color 17.5057, 0.3207, 0.1855.



This preview shows how white text looks on a background with the Yxy color 17.5057, 0.3207, 0.1855.

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

17.5057, 0.3207, 0.1855

Protanopia

17.9542, 0.1847, 0.1586

Deuteranopia

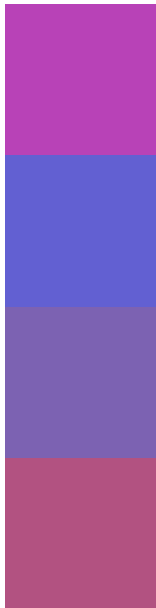
17.7596, 0.2304, 0.2248



Tritanopia

17.3627, 0.4299, 0.3189

Trichromacy



Original Color

17.5057, 0.3207, 0.1855

Protanomaly

15.6156, 0.2099, 0.1572

Deuteranomaly

16.2348, 0.2554, 0.2002

Tritanomaly

17.0845, 0.3889, 0.2622

Monochromacy



Original Color

17.5057, 0.3207, 0.1855

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.0183, 0.3162, 0.2555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5057, 0.3207, 0.1855 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(184, 66, 183)` looks like.

```
.text, #text, p{  
    color:rgb(184, 66, 183)  
}
```

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(184, 66, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 66, 183) }
```

Border

The CSS property to change the border of an element to Yxy 17.5057, 0.3207, 0.1855 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(184, 66, 183) }
```

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

```
.border{ border-color:rgb(184, 66, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 66, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 66, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 66, 183);  
box-shadow:4px 4px 4px 4px rgb(184, 66,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5057, 0.3207, 0.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 66, 183) }
```

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

```
.background{ background-color: rgb(184, 66,  
183) }
```

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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