

Converting Colors

$Y_{xy}(17.9783, 0.3684, 0.2496)$

Have a look what the booklet for
Yxy(17.9783, 0.3684, 0.2496)
contains.

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Color

Yxy(17.9150, 0.3676, 0.2486)

Conversions

Conversions Part 1

Format	Color
Hex	B2558E
RGB	178, 85, 142
RGB Percent	70%, 33%, 56%
CMY	0.3020, 0.6666, 0.4431
CMYK	0.00, 0.52, 0.20, 0.30
HSL	323°, 38%, 52%
HSV	323°, 52%, 70%
XYZ	26.4906, 17.9150, 27.6580
YIQ	119.3050, 37.1310, 37.4430

Conversions

Conversions Part 2

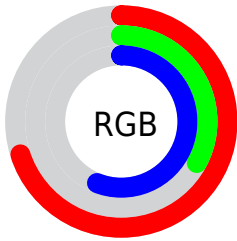
Format	Color
R_{YB}	178, 85, 142
Decimal	11687310
CIE _{Lab}	49.39, 44.74, -13.92
CIE _{LCh}	49, 46.852, 342.720
Yxy	17.9150, 0.3676, 0.2486
Android (android.graphics.Color)	4289877390 (0xFFB2558E)
YUV	119.3050, 11.1886, 51.4755
Hunter-Lab	42.3261, 37.6467, -9.1148

Details

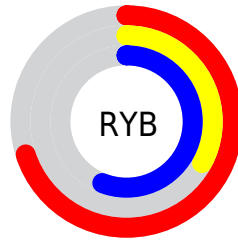
The Yxy color **17.9150, 0.3676, 0.2486** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **35.1498, 0.2822, 0.4291**, and the grayscale version is **18.5056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9953, 0.3558, 0.2653**, and **6.0167, 0.3880, 0.2199** is the 20% darker color. If you saturate the color by 10%, you get **15.2562, 0.3831, 0.2361**, and if you desaturate by 10%, it is **21.2932, 0.3536, 0.2632**.

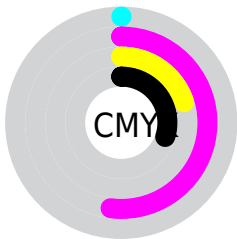
Distribution



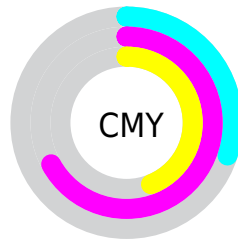
- Red (70%)
- Green (33%)
- Blue (56%)



- Red (70%)
- Yellow (33%)
- Blue (56%)



- Cyan (0%)
- Magenta (52%)
- Yellow (20%)
- Black (30%)





- Cyan (30%)
- Magenta (67%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9150, 0.3676, 0.2486 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 17.9150, 0.3676, 0.2486 by changing the saturation by 10% instead.


 17.9150, 0.3676,
0.2486


 17.9150, 0.3676,
0.2486


240.3915, 0.3373,
0.2923


 10.8890, 0.3763,
0.2365


 39.8924, 0.3558,
0.2654


 5.9922, 0.3881,
0.2202


 55.6126, 0.3516,
0.2714


 2.8404, 0.4053,
0.1971

 74.9997, 0.3482,
0.2764

 1.0490, 0.4321,
0.1626

 98.4380, 0.3453,
0.2806

 0.0000, 0.5367,
0.0000

 126.3119, 0.3428,
0.2841

 0.0000, 0.0000,
0.0000

159.0059, 0.3407,

0.2872

196.9043, 0.3389,
0.2899

■ 17.9150, 0.3676,
0.2486

■ 17.9150, 0.3676,
0.2486

■ 15.2562, 0.3831,
0.2361

■ 21.2932, 0.3536,
0.2632

■ 13.2600, 0.3999,
0.2268

■ 25.4367, 0.3414,
0.2789

■ 11.8654, 0.4174,
0.2217

■ 30.3906, 0.3308,
0.2949

■ 10.9987, 0.4348,
0.2217

■ 36.1959, 0.3218,
0.3107

■ 10.5708, 0.4483,
0.2243

■ 42.8906, 0.3142,
0.3257

■ 50.5104, 0.3079,
0.3400

■ 59.0893, 0.3026,
0.3532

■ 68.6592, 0.2982,
0.3654

■ 79.2509, 0.2946,
0.3767

Harmonies

Analogous

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



17.9150, 0.2768, 0.2114



17.9150, 0.3676, 0.2486



17.9150, 0.4509, 0.3023

Triad

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



17.9150, 0.3676, 0.2486



17.9150, 0.4088, 0.4810



17.9150, 0.1633, 0.2540

Complementary

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



17.9150, 0.3676, 0.2486



35.1498, 0.2822, 0.4291

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.



17.9150, 0.1879, 0.3361



17.9150, 0.3676, 0.2486



17.9150, 0.3272, 0.4929

Square

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



17.9150, 0.3676, 0.2486



17.9150, 0.4699, 0.4278



17.9150, 0.2461, 0.4349



17.9150, 0.1707, 0.2090

Rectangle

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



17.9150, 0.3676, 0.2486



17.9150, 0.4829, 0.3430



17.9150, 0.2461, 0.4349



17.9150, 0.1678, 0.2774

Sweetspot

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



17.9159, 0.3676, 0.2486



61.2049, 0.3253, 0.3044



13.7523, 0.2495, 0.1795



13.0866, 0.3271, 0.3012



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.



17.9159, 0.3676, 0.2486



26.9113, 0.3862, 0.2341



16.8044, 0.4429, 0.3139



8.5899, 0.3195, 0.3151



7.5768, 0.4464, 0.2233



0.2494, 0.4030, 0.1994

Inverse Universe

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



17.9159, 0.3676, 0.2486



26.9113, 0.3862, 0.2341



36.5650, 0.2526, 0.3466



8.5899, 0.3195, 0.3151



7.5768, 0.4464, 0.2233



0.2494, 0.4030, 0.1994

Previews

White Background



This preview shows how the Yxy color 17.9150, 0.3676, 0.2486 looks on a white background.

Color Contrast Check

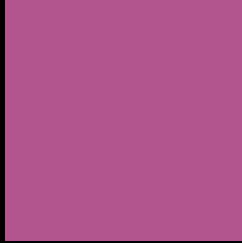
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9150, 0.3676, 0.2486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

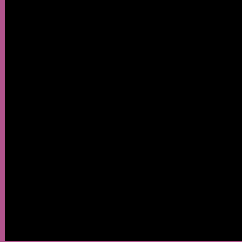
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9150, 0.3676, 0.2486

Background



This preview shows how black text looks on a background with the Yxy color 17.9150, 0.3676, 0.2486.



This preview shows how white text looks on a background with the Yxy color 17.9150, 0.3676, 0.2486.

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

17.9150, 0.3676, 0.2486

Protanopia

18.0910, 0.2490, 0.2418

Deuteranopia

18.0607, 0.2936, 0.2883



Tritanopia

17.9437, 0.4231, 0.3189

Trichromacy



Original Color

17.9150, 0.3676, 0.2486

Protanomaly

17.2833, 0.2834, 0.2408

Deuteranomaly

17.4274, 0.3182, 0.2692

Tritanomaly

17.8571, 0.4021, 0.2922

Monochromacy



Original Color

17.9150, 0.3676, 0.2486

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.6231, 0.3320, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9150, 0.3676, 0.2486 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(178, 85, 142)` looks like.

```
.text, #text, p{  
    color:rgb(178, 85, 142)  
}
```

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(178, 85, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 85, 142) }
```

Border

The CSS property to change the border of an element to Yxy 17.9150, 0.3676, 0.2486 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(178, 85, 142) }
```

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

```
.border{ border-color:rgb(178, 85, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 85, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 85, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 85, 142);  
box-shadow:4px 4px 4px 4px rgb(178, 85,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9150, 0.3676, 0.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 85, 142) }
```

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

```
.background{ background-color: rgb(178, 85,  
142) }
```

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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