

Converting Colors

$Y_{xy}(17.1696, 0.3474, 0.2267)$

Have a look what the booklet for
Yxy(17.1696, 0.3474, 0.2267)
contains.

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Color

Yxy(17.1512, 0.3483, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	AF5099
RGB	175, 80, 153
RGB Percent	69%, 31%, 60%
CMY	0.3136, 0.6864, 0.3999
CMYK	0.00, 0.54, 0.13, 0.31
HSL	314°, 37%, 50%
HSV	314°, 54%, 69%
XYZ	26.3045, 17.1512, 32.0669
YIQ	116.7270, 33.1870, 42.8430

Conversions

Conversions Part 2

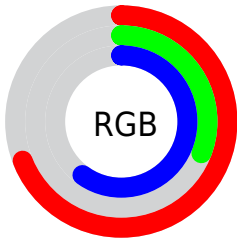
Format	Color
R_{YB}	175, 80, 153
Decimal	11489433
CIE _{Lab}	48.45, 48.04, -21.94
CIE _{LCh}	48, 52.811, 335.448
Yxy	17.1512, 0.3483, 0.2271
Android (android.graphics.Color)	4289679513 (0xFFAF5099)
YUV	116.7270, 17.8826, 51.1054
Hunter-Lab	41.4140, 40.9017, -16.9185

Details

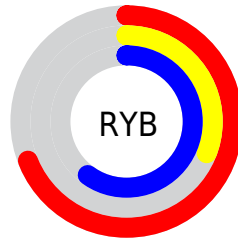
The Yxy color **17.1512, 0.3483, 0.2271** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **33.3378, 0.2911, 0.4613**, and the grayscale version is **17.6351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6528, 0.3414, 0.2472**, and **5.6476, 0.3587, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **14.7834, 0.3571, 0.2124**, and if you desaturate by 10%, it is **20.1927, 0.3400, 0.2444**.

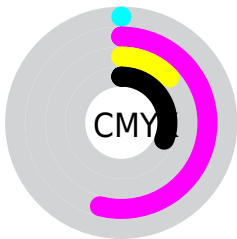
Distribution



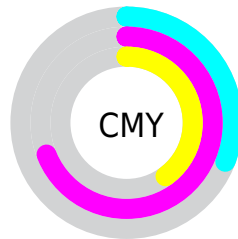
- Red (69%)
- Green (31%)
- Blue (60%)



- Red (69%)
- Yellow (31%)
- Blue (60%)



- Cyan (0%)
- Magenta (54%)
- Yellow (13%)
- Black (31%)





- Cyan (31%)
- Magenta (69%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1512, 0.3483, 0.2271 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 17.1512, 0.3483, 0.2271 by changing the saturation by 10% instead.


 17.1512, 0.3483,
0.2271


 17.1512, 0.3483,
0.2271


236.0422, 0.3298,
0.2815

 10.3424, 0.3531,
0.2125


 38.5856, 0.3414,
0.2477


 5.6265, 0.3592,
0.1932


 53.9799, 0.3389,
0.2552

 2.6193, 0.3673,
0.1667

 73.0048, 0.3368,
0.2614

 0.9364, 0.3779,
0.1289

 96.0447, 0.3349,
0.2667

 0.0000, 0.4217,
0.0000

 123.4840, 0.3334,
0.2712

 0.0000, 0.0000,
0.0000

155.7071, 0.3320,

0.2751

193.0983, 0.3308,
0.2785

■ 17.1512, 0.3483,
0.2271

■ 17.1512, 0.3483,
0.2271

■ 14.7834, 0.3571,
0.2124

■ 20.1927, 0.3400,
0.2444

■ 13.0338, 0.3663,
0.2012

■ 23.9529, 0.3325,
0.2632

■ 11.8421, 0.3755,
0.1943

■ 28.4756, 0.3257,
0.2827

■ 11.1346, 0.3845,
0.1920

■ 33.8005, 0.3198,
0.3022

■ 10.8531, 0.3895,
0.1919

■ 39.9645, 0.3147,
0.3211

■ 47.0023, 0.3103,
0.3391

■ 54.9465, 0.3066,
0.3561

■ 63.8281, 0.3035,
0.3719

■ 73.6766, 0.3008,
0.3864

Harmonies

Analogous

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



17.1512, 0.2498, 0.1920



17.1512, 0.3483, 0.2271



17.1512, 0.4507, 0.2820

Triad

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



17.1512, 0.3483, 0.2271



17.1512, 0.4370, 0.4856



17.1512, 0.1497, 0.2608

Complementary

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



17.1512, 0.3483, 0.2271



33.3378, 0.2911, 0.4613

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.



17.1512, 0.1842, 0.3637



17.1512, 0.3483, 0.2271



17.1512, 0.3487, 0.5208

Square

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



17.1512, 0.3483, 0.2271



17.1512, 0.4989, 0.4179



17.1512, 0.2560, 0.4761



17.1512, 0.1503, 0.2024

Rectangle

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



17.1512, 0.3483, 0.2271



17.1512, 0.4968, 0.3249



17.1512, 0.2560, 0.4761



17.1512, 0.1570, 0.2906

Sweetspot

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



17.1520, 0.3483, 0.2271



58.5168, 0.3209, 0.2984



11.5720, 0.2293, 0.1666



12.5666, 0.3221, 0.2944



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



17.1520, 0.3483, 0.2271



25.8176, 0.3588, 0.2101



15.9112, 0.4231, 0.2901



8.1159, 0.3171, 0.3117



7.7784, 0.3886, 0.1914



0.2241, 0.3643, 0.1781

Inverse Universe

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



17.1520, 0.3483, 0.2271



25.8176, 0.3588, 0.2101



34.5200, 0.2609, 0.3753



8.1159, 0.3171, 0.3117



7.7784, 0.3886, 0.1914



0.2241, 0.3643, 0.1781

Previews

White Background



This preview shows how the Yxy color 17.1512, 0.3483, 0.2271 looks on a white background.

Color Contrast Check

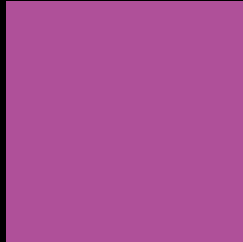
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1512, 0.3483, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

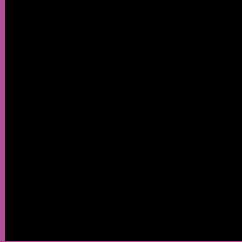
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1512, 0.3483, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 17.1512, 0.3483, 0.2271.



This preview shows how white text looks on a background with the Yxy color 17.1512, 0.3483, 0.2271.

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

17.1512, 0.3483, 0.2271

Protanopia

17.3402, 0.2284, 0.2146

Deuteranopia

17.2318, 0.2715, 0.2658



Tritanopia

17.1646, 0.4201, 0.3201

Trichromacy



Original Color

17.1512, 0.3483, 0.2271

Protanomaly

16.3472, 0.2609, 0.2139

Deuteranomaly

16.5456, 0.2970, 0.2468

Tritanomaly

16.9693, 0.3931, 0.2825

Monochromacy



Original Color

17.1512, 0.3483, 0.2271

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.9156, 0.3258, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1512, 0.3483, 0.2271 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(175, 80, 153)` looks like.

```
.text, #text, p{  
  color:rgb(175, 80, 153)  
}
```

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(175, 80, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 80, 153) }
```

Border

The CSS property to change the border of an element to Yxy 17.1512, 0.3483, 0.2271 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(175, 80, 153) }
```

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

```
.border{ border-color:rgb(175, 80, 153) }
```

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

Here you see how a box with a 4 pixel rgb(175, 80, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 80, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 80, 153);  
box-shadow:4px 4px 4px 4px rgb(175, 80,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1512, 0.3483, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 80, 153) }
```

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

```
.background{ background-color: rgb(175, 80,  
153) }
```

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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