

Converting Colors

$Y_{xy}(16.7412, 0.4178, 0.3010)$

Have a look what the booklet for
Yxy(16.7412, 0.4178, 0.3010)
contains.

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Color

Yxy(16.7412, 0.4178, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	AD576A
RGB	173, 87, 106
RGB Percent	68%, 34%, 42%
CMY	0.3217, 0.6587, 0.5843
CMYK	0.00, 0.50, 0.39, 0.32
HSL	347°, 34%, 51%
HSV	347°, 50%, 68%
XYZ	23.2375, 16.7412, 15.6400
YIQ	114.8800, 45.1570, 24.1410

Conversions

Conversions Part 2

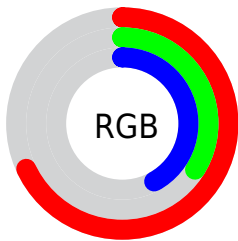
Format	Color
R_{YB}	173, 87, 106
Decimal	11360106
CIE _{Lab}	47.93, 37.08, 5.49
CIE _{LCh}	48, 37.480, 8.417
Yxy	16.7412, 0.4178, 0.3010
Android (android.graphics.Color)	4289550186 (0xFFAD576A)
YUV	114.8800, -4.3778, 50.9712
Hunter-Lab	40.9160, 29.7726, 5.9779

Details

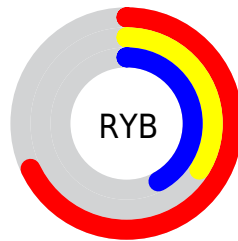
The Yxy color **16.7412, 0.4178, 0.3010** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.2353, 0.2605, 0.3611**, and the grayscale version is **17.1111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8885, 0.3930, 0.3085**, and **5.4208, 0.4642, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **14.0091, 0.4526, 0.2969**, and if you desaturate by 10%, it is **20.1901, 0.3879, 0.3063**.

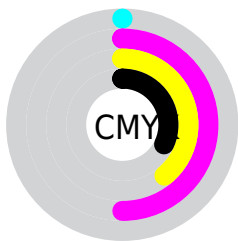
Distribution



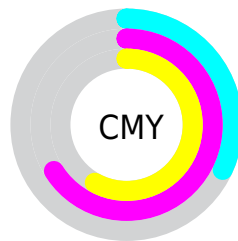
- Red (68%)
- Green (34%)
- Blue (42%)



- Red (68%)
- Yellow (34%)
- Blue (42%)



- Cyan (0%)
- Magenta (50%)
- Yellow (39%)
- Black (32%)




- Cyan (32%)
- Magenta (66%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7412, 0.4178, 0.3010 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 16.7412, 0.4178, 0.3010 by changing the saturation by 10% instead.

 16.7412, 0.4178,
0.3010


 16.7412, 0.4178,
0.3010


233.6765, 0.3562,
0.3183


 10.0501, 0.4372,
0.2951


 37.8803, 0.3927,
0.3083

 5.4322, 0.4651,
0.2862

 53.0971, 0.3841,
0.3107

 2.5030, 0.5084,
0.2716

 71.9246, 0.3772,
0.3127

 0.8782, 0.5911,
0.2475

 94.7472, 0.3715,
0.3142

 0.0000, 1.0000,
0.0000

 121.9493, 0.3668,
0.3155

 0.0000, 0.0000,
0.0000

153.9153, 0.3627,

0.3166

191.0296, 0.3592,
0.3175

■ 16.7412, 0.4178,
0.3010

■ 16.7412, 0.4178,
0.3010

■ 14.0091, 0.4526,
0.2969

■ 20.1901, 0.3879,
0.3063

■ 11.9405, 0.4912,
0.2949

■ 24.3992, 0.3630,
0.3122

■ 10.4788, 0.5312,
0.2960


■ 29.4112, 0.3425,
0.3181

■ 9.5566, 0.5685,
0.3008

■ 35.2650, 0.3259,
0.3238

■ 9.0361, 0.5998,
0.3081


■ 41.9970, 0.3123,
0.3292

 9.0215, 0.6007,
0.3083

 49.6414, 0.3013,
0.3341

 58.2306, 0.2924,
0.3386

 67.7954, 0.2850,
0.3428

 78.3653, 0.2790,
0.3465

Harmonies

Analogous

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



16.7412, 0.3475, 0.2558



16.7412, 0.4178, 0.3010



16.7412, 0.4563, 0.3543

Triad

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



16.7412, 0.4178, 0.3010



16.7412, 0.3378, 0.4631



16.7412, 0.1896, 0.2327

Complementary

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



16.7412, 0.4178, 0.3010



34.2353, 0.2605, 0.3611

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.



16.7412, 0.1876, 0.2768



16.7412, 0.4178, 0.3010



16.7412, 0.2681, 0.4232

Square

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



16.7412, 0.4178, 0.3010



16.7412, 0.4043, 0.4519



16.7412, 0.2143, 0.3477



16.7412, 0.2189, 0.2171

Rectangle

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



16.7412, 0.4178, 0.3010



16.7412, 0.4566, 0.3908



16.7412, 0.2143, 0.3477



16.7412, 0.1859, 0.2441

Sweetspot

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



16.7421, 0.4178, 0.3010



57.1445, 0.3347, 0.3207



16.6010, 0.2931, 0.2021



11.9659, 0.3382, 0.3195



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.7421, 0.4178, 0.3010



24.5264, 0.4576, 0.2965



20.7093, 0.4305, 0.3636



8.0432, 0.3253, 0.3240



6.6377, 0.5982, 0.3069



0.1927, 0.5168, 0.2621

Inverse Universe

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



16.7421, 0.4178, 0.3010



24.5264, 0.4576, 0.2965



26.8722, 0.2413, 0.2896



8.0432, 0.3253, 0.3240



6.6377, 0.5982, 0.3069



0.1927, 0.5168, 0.2621

Previews

White Background



This preview shows how the Yxy color 16.7412, 0.4178, 0.3010 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 16.7412, 0.4178, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

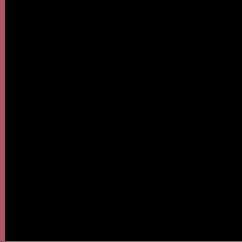
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7412, 0.4178, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 16.7412, 0.4178, 0.3010.



This preview shows how white text looks on a background with the Yxy color 16.7412, 0.4178, 0.3010.

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

16.7412, 0.4178, 0.3010

Protanopia

16.9925, 0.3044, 0.3152

Deuteranopia

16.8570, 0.3509, 0.3443



Tritanopia

16.7416, 0.4335, 0.3204

Trichromacy



Original Color

16.7412, 0.4178, 0.3010

Protanomaly

16.3125, 0.3406, 0.3071

Deuteranomaly

16.5930, 0.3760, 0.3274

Tritanomaly

16.6510, 0.4275, 0.3128

Monochromacy



Original Color

16.7412, 0.4178, 0.3010

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.5072, 0.3473, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7412, 0.4178, 0.3010 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(173, 87, 106)` looks like.

```
.text, #text, p{  
    color:rgb(173, 87, 106)  
}
```

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(173, 87, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 87, 106) }
```

Border

The CSS property to change the border of an element to Yxy 16.7412, 0.4178, 0.3010 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(173, 87, 106) }
```

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

```
.border{ border-color:rgb(173, 87, 106) }
```

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

Here you see how a box with a 4 pixel rgb(173, 87, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 87, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 87, 106);  
box-shadow:4px 4px 4px 4px rgb(173, 87,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7412, 0.4178, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 87, 106) }
```

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

```
.background{ background-color: rgb(173, 87,  
106) }
```

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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