

Converting Colors

$Y_{xy}(16.8106, 0.4112, 0.2601)$

Have a look what the booklet for
Yxy(16.8106, 0.4112, 0.2601)
contains.

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Color

Yxy(16.8106, 0.4112, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	BB497D
RGB	187, 73, 125
RGB Percent	73%, 29%, 49%
CMY	0.2667, 0.7137, 0.5098
CMYK	0.00, 0.61, 0.33, 0.27
HSL	333°, 46%, 51%
HSV	333°, 61%, 73%
XYZ	26.5764, 16.8106, 21.2443
YIQ	113.0140, 51.2520, 40.3400

Conversions

Conversions Part 2

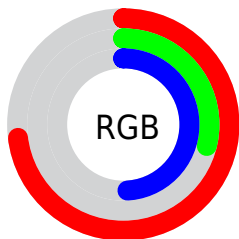
Format	Color
RYB	187, 73, 125
Decimal	12274045
CIELab	48.02, 51.01, -5.62
CIELCh	48, 51.314, 353.713
Yxy	16.8106, 0.4112, 0.2601
Android (android.graphics.Color)	4290464125 (0xFFBB497D)
YUV	113.0140, 5.9091, 64.8857
Hunter-Lab	41.0007, 43.9512, -2.0203

Details

The Yxy color **16.8106, 0.4112, 0.2601** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **38.7048, 0.2686, 0.4176**, and the grayscale version is **16.4901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9859, 0.3880, 0.2748**, and **5.4630, 0.4533, 0.2334** is the 20% darker color. If you saturate the color by 10%, you get **14.4655, 0.4369, 0.2537**, and if you desaturate by 10%, it is **19.9227, 0.3880, 0.2695**.

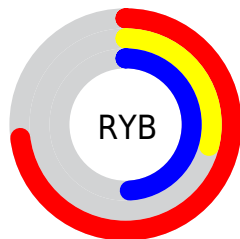
Distribution



Red (73%)

Green (29%)

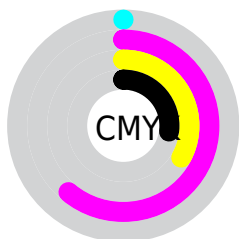
Blue (49%)



Red (73%)

Yellow (29%)

Blue (49%)

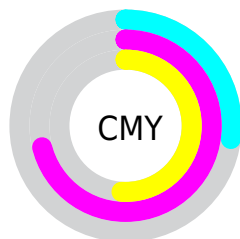


Cyan (0%)

Magenta (61%)

Yellow (33%)

Black (27%)



Cyan (27%)


Magenta (71%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8106, 0.4112, 0.2601 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 16.8106, 0.4112, 0.2601 by changing the saturation by 10% instead.


 16.8106, 0.4112,
0.2601


 16.8106, 0.4112,
0.2601


234.0785, 0.3547,
0.2988


 10.0995, 0.4283,
0.2488


 37.9998, 0.3886,
0.2753


 5.4650, 0.4525,
0.2331


 53.2468, 0.3808,
0.2807


 2.5226, 0.4889,
0.2101

 72.1079, 0.3744,
0.2851

 0.8879, 0.5492,
0.1737

 94.9675, 0.3691,
0.2888

 0.0000, 0.8721,
0.0000

 122.2099, 0.3646,
0.2919

 0.0000, 0.0000,
0.0000

154.2197, 0.3608,

0.2945

191.3811, 0.3575,
0.2968

■ 16.8106, 0.4112,
0.2601

■ 16.8106, 0.4112,
0.2601

■ 14.4655, 0.4369,
0.2537

■ 19.9227, 0.3880,
0.2695

■ 12.8154, 0.4640,
0.2515

■ 23.8599, 0.3677,
0.2807

■ 11.7791, 0.4911,
0.2545

■ 28.6778, 0.3503,
0.2928

■ 11.2244, 0.5147,
0.2609

■ 34.4262, 0.3357,
0.3049

■ 41.1513, 0.3236,
0.3167

■ 48.8961, 0.3136,
0.3280

■ 57.7012, 0.3053,
0.3385

■ 67.6047, 0.2985,
0.3481

■ 78.6431, 0.2929,
0.3571

Harmonies

Analogous

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



16.8106, 0.3073, 0.2126



16.8106, 0.4112, 0.2601



16.8106, 0.4900, 0.3217

Triad

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



16.8106, 0.4112, 0.2601



16.8106, 0.3843, 0.5104



16.8106, 0.1489, 0.2223

Complementary

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



16.8106, 0.4112, 0.2601



38.7048, 0.2686, 0.4176

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.



16.8106, 0.1614, 0.2973



16.8106, 0.4112, 0.2601



16.8106, 0.2922, 0.5003

Square

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



16.8106, 0.4112, 0.2601



16.8106, 0.4633, 0.4589



16.8106, 0.2105, 0.4089



16.8106, 0.1687, 0.1888

Rectangle

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



16.8106, 0.4112, 0.2601



16.8106, 0.5086, 0.3666



16.8106, 0.2105, 0.4089



16.8106, 0.1493, 0.2423

Sweetspot

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



16.8115, 0.4112, 0.2601



64.6950, 0.3323, 0.3081



13.4067, 0.2547, 0.1614



13.5140, 0.3361, 0.3046



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.



16.8115, 0.4112, 0.2601



24.8262, 0.4455, 0.2525



16.3269, 0.4983, 0.3343



9.6068, 0.3219, 0.3186



7.7485, 0.5118, 0.2593



0.3167, 0.4546, 0.2278

Inverse Universe

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



16.8115, 0.4112, 0.2601



24.8262, 0.4455, 0.2525



38.9520, 0.2378, 0.3228



9.6068, 0.3219, 0.3186



7.7485, 0.5118, 0.2593



0.3167, 0.4546, 0.2278

Previews

White Background



This preview shows how the Yxy color 16.8106, 0.4112, 0.2601 looks on a white background.

Color Contrast Check

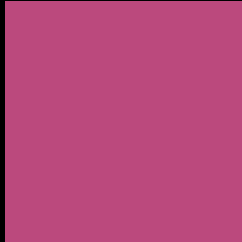
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8106, 0.4112, 0.2601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

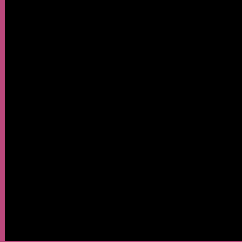
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8106, 0.4112, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 16.8106, 0.4112, 0.2601.



This preview shows how white text looks on a background with the Yxy color 16.8106, 0.4112, 0.2601.

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

16.8106, 0.4112, 0.2601

Protanopia

17.0203, 0.2603, 0.2564

Deuteranopia

16.9859, 0.3201, 0.3138



Tritanopia

16.7633, 0.4684, 0.3214

Trichromacy



Original Color

16.8106, 0.4112, 0.2601

Protanomaly

15.7567, 0.3055, 0.2522

Deuteranomaly

16.1329, 0.3525, 0.2878

Tritanomaly

16.7027, 0.4479, 0.2983

Monochromacy



Original Color

16.8106, 0.4112, 0.2601

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.5952, 0.3480, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8106, 0.4112, 0.2601 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(187, 73, 125)` looks like.

```
.text, #text, p{  
    color:rgb(187, 73, 125)  
}
```

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(187, 73, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 73, 125) }
```

Border

The CSS property to change the border of an element to Yxy 16.8106, 0.4112, 0.2601 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(187, 73, 125) }
```

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

```
.border{ border-color:rgb(187, 73, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 73, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 73, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 73, 125);  
box-shadow:4px 4px 4px 4px rgb(187, 73,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8106, 0.4112, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 73, 125) }
```

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

```
.background{ background-color: rgb(187, 73,  
125) }
```

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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