

Converting Colors

$Y_{xy}(16.7642, 0.3710, 0.2633)$

Have a look what the booklet for
Yxy(16.7642, 0.3710, 0.2633)
contains.

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Color

Yxy(16.7529, 0.3717, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	A85782
RGB	168, 87, 130
RGB Percent	66%, 34%, 51%
CMY	0.3412, 0.6588, 0.4901
CMYK	0.00, 0.48, 0.23, 0.34
HSL	328°, 32%, 50%
HSV	328°, 48%, 66%
XYZ	23.5873, 16.7529, 23.1177
YIQ	116.1210, 34.4730, 30.5450

Conversions

Conversions Part 2

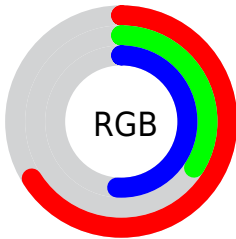
Format	Color
R_{YB}	168, 87, 130
Decimal	11032450
CIE _{Lab}	47.95, 38.57, -9.06
CIE _{LCh}	48, 39.623, 346.782
Yxy	16.7529, 0.3717, 0.2640
Android (android.graphics.Color)	4289222530 (0xFFA85782)
YUV	116.1210, 6.8423, 45.4979
Hunter-Lab	40.9303, 31.2380, -4.8362

Details

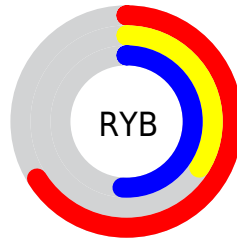
The Yxy color **16.7529, 0.3717, 0.2640** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **31.5121, 0.2792, 0.4067**, and the grayscale version is **17.4754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8917, 0.3584, 0.2781**, and **5.4946, 0.3960, 0.2394** is the 20% darker color. If you saturate the color by 10%, you get **14.1391, 0.3903, 0.2523**, and if you desaturate by 10%, it is **20.0175, 0.3554, 0.2773**.

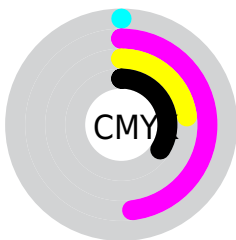
Distribution



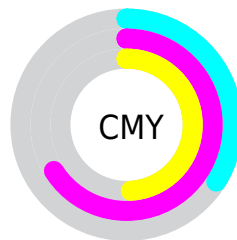
- Red (66%)
- Green (34%)
- Blue (51%)



- Red (66%)
- Yellow (34%)
- Blue (51%)



- Cyan (0%)
- Magenta (48%)
- Yellow (23%)
- Black (34%)





- Cyan (34%)
- Magenta (66%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7529, 0.3717, 0.2640 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 16.7529, 0.3717, 0.2640 by changing the saturation by 10% instead.

 16.7529, 0.3717,
0.2640


 16.7529, 0.3717,
0.2640


233.7444, 0.3381,
0.3003


 10.0585, 0.3818,
0.2535


 37.9004, 0.3583,
0.2782


 5.4377, 0.3960,
0.2389


 53.1223, 0.3537,
0.2832


 2.5063, 0.4174,
0.2177

 71.9555, 0.3499,
0.2873

 0.8798, 0.4531,
0.1839

 94.7844, 0.3467,
0.2908

 0.0000, 0.6528,
0.0000

 121.9933, 0.3441,
0.2937

 0.0000, 0.0000,
0.0000

153.9666, 0.3418,

0.2962

191.0889, 0.3398,
0.2984

■ 16.7529, 0.3717,
0.2640

■ 16.7529, 0.3717,
0.2640

■ 14.1391, 0.3903,
0.2523

■ 20.0175, 0.3554,
0.2773

■ 12.1289, 0.4108,
0.2431

■ 23.9712, 0.3414,
0.2912

■ 10.6722, 0.4328,
0.2378


■ 28.6519, 0.3296,
0.3050


■ 9.7099, 0.4552,
0.2373

■ 34.0944, 0.3196,
0.3185


■ 9.1392, 0.4773,
0.2416


■ 40.3310, 0.3113,
0.3312

 9.0502, 0.4814,
0.2425

 47.3920, 0.3045,
0.3431

 55.3065, 0.2988,
0.3541

 64.1019, 0.2940,
0.3643

 73.8043, 0.2901,
0.3736

Harmonies

Analogous

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



16.7529, 0.2920, 0.2279



16.7529, 0.3717, 0.2640



16.7529, 0.4396, 0.3141

Triad

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



16.7529, 0.3717, 0.2640



16.7529, 0.3903, 0.4664



16.7529, 0.1793, 0.2574

Complementary

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



16.7529, 0.3717, 0.2640



31.5121, 0.2792, 0.4067

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.



16.7529, 0.1983, 0.3253



16.7529, 0.3717, 0.2640



16.7529, 0.3174, 0.4654

Square

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



16.7529, 0.3717, 0.2640



16.7529, 0.4463, 0.4262



16.7529, 0.2472, 0.4087



16.7529, 0.1895, 0.2204

Rectangle

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



16.7529, 0.3717, 0.2640



16.7529, 0.4634, 0.3516



16.7529, 0.2472, 0.4087



16.7529, 0.1823, 0.2768

Sweetspot

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



16.7537, 0.3717, 0.2640



55.7323, 0.3254, 0.3104



13.9886, 0.2639, 0.1953



11.7142, 0.3276, 0.3076



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.7537, 0.3717, 0.2640



25.3057, 0.3919, 0.2514



15.8745, 0.4383, 0.3253



7.6064, 0.3206, 0.3171



6.8447, 0.4793, 0.2414



0.1767, 0.4142, 0.2055

Inverse Universe

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



16.7537, 0.3717, 0.2640



25.3057, 0.3919, 0.2514



32.7596, 0.2519, 0.3334



7.6064, 0.3206, 0.3171



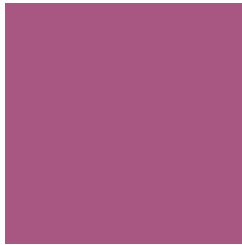
6.8447, 0.4793, 0.2414



0.1767, 0.4142, 0.2055

Previews

White Background



This preview shows how the Yxy color 16.7529, 0.3717, 0.2640 looks on a white background.

Color Contrast Check

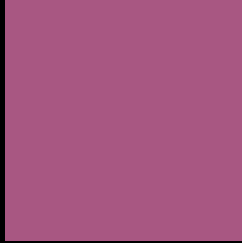
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7529, 0.3717, 0.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

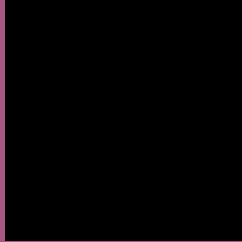
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.7529, 0.3717, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 16.7529, 0.3717, 0.2640.



This preview shows how white text looks on a background with the Yxy color 16.7529, 0.3717, 0.2640.

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

16.7529, 0.3717, 0.2640

Protanopia

16.9516, 0.2651, 0.2632

Deuteranopia

16.8683, 0.3062, 0.3004



Tritanopia

16.7481, 0.4130, 0.3183

Trichromacy



Original Color

16.7529, 0.3717, 0.2640

Protanomaly

16.4129, 0.2988, 0.2628

Deuteranomaly

16.3534, 0.3287, 0.2845

Tritanomaly

16.7369, 0.3977, 0.2980

Monochromacy



Original Color

16.7529, 0.3717, 0.2640

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.6345, 0.3335, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7529, 0.3717, 0.2640 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(168, 87, 130)` looks like.

```
.text, #text, p{  
    color:rgb(168, 87, 130)  
}
```

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(168, 87, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 87, 130) }
```

Border

The CSS property to change the border of an element to Yxy 16.7529, 0.3717, 0.2640 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(168, 87, 130) }
```

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

```
.border{ border-color:rgb(168, 87, 130) }
```

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

Here you see how a box with a 4 pixel rgb(168, 87, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 87, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 87, 130);  
box-shadow:4px 4px 4px 4px rgb(168, 87,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7529, 0.3717, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 87, 130) }
```

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

```
.background{ background-color: rgb(168, 87,  
130) }
```

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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