

Converting Colors

$Y_{xy}(16.7945, 0.3605, 0.2526)$

Have a look what the booklet for
Yxy(16.7945, 0.3605, 0.2526)
contains.

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Color

Yxy(16.7866, 0.3612, 0.2527)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A85689 |
| RGB | 168, 86, 137 |
| RGB Percent | 66%, 34%, 54% |
| CMY | 0.3411, 0.6628, 0.4627 |
| CMYK | 0.00, 0.49, 0.18, 0.34 |
| HSL | 323°, 32%, 50% |
| HSV | 323°, 49%, 66% |
| XYZ | 23.9941, 16.7866, 25.6482 |
| YIQ | 116.3320, 32.5010, 33.2450 |

Conversions

Conversions Part 2

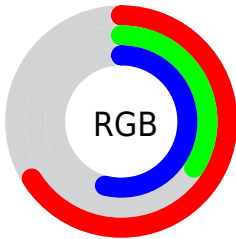
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 168, 86, 137 |
| Decimal | 11032201 |
| CIELab | 47.99, 40.18, -13.19 |
| CIELCh | 48, 42.294, 341.828 |
| Yxy | 16.7866, 0.3612, 0.2527 |
| Android (android.graphics.Color) | 4289222281 (0xFFA85689) |
| YUV | 116.3320, 10.1893, 45.3128 |
| Hunter-Lab | 40.9715, 32.8350, -8.4357 |

Details

The Yxy color **16.7866, 0.3612, 0.2527** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **31.2716, 0.2842, 0.4222**, and the grayscale version is **17.5332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9022, 0.3512, 0.2693**, and **5.4676, 0.3809, 0.2249** is the 20% darker color. If you saturate the color by 10%, you get **14.2358, 0.3757, 0.2392**, and if you desaturate by 10%, it is **19.9803, 0.3482, 0.2680**.

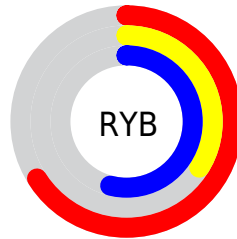
Distribution



Red (66%)

Green (34%)

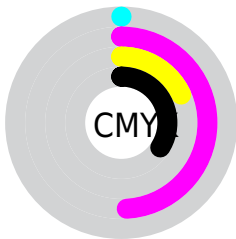
Blue (54%)



Red (66%)

Yellow (34%)

Blue (54%)

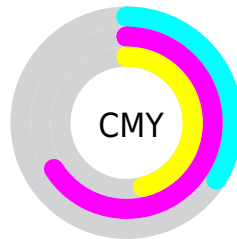


Cyan (0%)

Magenta (49%)

Yellow (18%)

Black (34%)



Cyan (34%)


Magenta (66%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7866, 0.3612, 0.2527 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 16.7866, 0.3612, 0.2527 by changing the saturation by 10% instead.


 16.7866, 0.3612,
0.2527


 16.7866, 0.3612,
0.2527


233.9396, 0.3341,
0.2947


 10.0825, 0.3691,
0.2408


 37.9585, 0.3506,
0.2690


 5.4537, 0.3799,
0.2246


 53.1951, 0.3469,
0.2748


 2.5158, 0.3958,
0.2013

 72.0445, 0.3438,
0.2796

 0.8845, 0.4211,
0.1655

 94.8913, 0.3412,
0.2836

 0.0000, 0.5309,
0.0000

 122.1198, 0.3390,
0.2870

 0.0000, 0.0000,
0.0000

154.1145, 0.3372,

0.2899

191.2596, 0.3356,
0.2925

■ 16.7866, 0.3612,
0.2527

■ 16.7866, 0.3612,
0.2527

■ 14.2358, 0.3757,
0.2392

■ 19.9803, 0.3482,
0.2680

■ 12.2805, 0.3916,
0.2284

■ 23.8551, 0.3369,
0.2840

■ 10.8704, 0.4083,
0.2215


■ 28.4492, 0.3272,
0.3001

■ 9.9461, 0.4252,
0.2193

■ 33.7972, 0.3189,
0.3158

■ 9.3947, 0.4420,
0.2216


■ 39.9313, 0.3120,
0.3307

 9.3360, 0.4440,
0.2219

 46.8821, 0.3061,
0.3448

 54.6783, 0.3013,
0.3578

 63.3473, 0.2972,
0.3699

 72.9153, 0.2939,
0.3809

Harmonies

Analogous

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



16.7866, 0.2775, 0.2180



16.7866, 0.3612, 0.2527



16.7866, 0.4385, 0.3032

Triad

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



16.7866, 0.3612, 0.2527



16.7866, 0.4056, 0.4697



16.7866, 0.1731, 0.2620

Complementary

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



16.7866, 0.3612, 0.2527



31.2716, 0.2842, 0.4222

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.



16.7866, 0.1978, 0.3390



16.7866, 0.3612, 0.2527



16.7866, 0.3299, 0.4797

Square

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



16.7866, 0.3612, 0.2527



16.7866, 0.4607, 0.4214



16.7866, 0.2537, 0.4281



16.7866, 0.1790, 0.2181

Rectangle

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



16.7866, 0.3612, 0.2527



16.7866, 0.4692, 0.3418



16.7866, 0.2537, 0.4281



16.7866, 0.1778, 0.2843

Sweetspot

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



16.7874, 0.3612, 0.2527



54.8939, 0.3241, 0.3057



13.2000, 0.2534, 0.1900



11.5534, 0.3258, 0.3025



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.



16.7874, 0.3612, 0.2527



25.3219, 0.3777, 0.2376



15.8426, 0.4268, 0.3126



7.6178, 0.3193, 0.3150



7.0594, 0.4424, 0.2211



0.1812, 0.3931, 0.1939

Inverse Universe

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



16.7874, 0.3612, 0.2527



25.3219, 0.3777, 0.2376



32.4244, 0.2566, 0.3476



7.6178, 0.3193, 0.3150



7.0594, 0.4424, 0.2211



0.1812, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 16.7866, 0.3612, 0.2527 looks on a white background.

Color Contrast Check

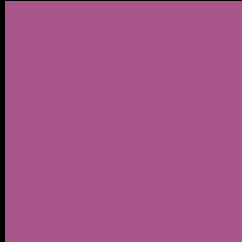
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7866, 0.3612, 0.2527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

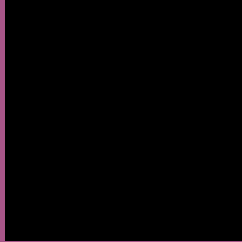
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7866, 0.3612, 0.2527

Background



This preview shows how black text looks on a background with the Yxy color 16.7866, 0.3612, 0.2527.



This preview shows how white text looks on a background with the Yxy color 16.7866, 0.3612, 0.2527.

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

16.7866, 0.3612, 0.2527

Protanopia

17.0353, 0.2547, 0.2496

Deuteranopia

17.0637, 0.2943, 0.2892



Tritanopia

16.8180, 0.4109, 0.3198

Trichromacy



Original Color

16.7866, 0.3612, 0.2527

Protanomaly

16.3060, 0.2870, 0.2479

Deuteranomaly

16.6560, 0.3180, 0.2743

Tritanomaly

16.6738, 0.3930, 0.2947

Monochromacy



Original Color

16.7866, 0.3612, 0.2527

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.7093, 0.3295, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7866, 0.3612, 0.2527 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, 86, 137)` looks like.

```
.text, #text, p{  
    color:rgb(168, 86, 137)  
}
```

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, 86, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 86, 137) }
```

Border

The CSS property to change the border of an element to Yxy 16.7866, 0.3612, 0.2527 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, 86, 137) }
```

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

```
.border{ border-color:rgb(168, 86, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 86, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 86, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 86, 137);  
box-shadow:4px 4px 4px 4px rgb(168, 86,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7866, 0.3612, 0.2527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 86, 137) }
```

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

```
.background{ background-color: rgb(168, 86,  
137) }
```

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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