

Converting Colors

$Y_{xy}(16.6657, 0.3777, 0.2710)$

Have a look what the booklet for
Yxy(16.6657, 0.3777, 0.2710)
contains.

Yxy(16.7013, 0.3763, 0.2710)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.7013, 0.3763, 0.2710)

Conversions

Conversions Part 1

Format	Color
Hex	A7587E
RGB	167, 88, 126
RGB Percent	65%, 35%, 49%
CMY	0.3451, 0.6549, 0.5059
CMYK	0.00, 0.47, 0.25, 0.35
HSL	331°, 31%, 50%
HSV	331°, 47%, 65%
XYZ	23.1908, 16.7013, 21.7363
YIQ	115.9530, 34.8860, 28.5660

Conversions

Conversions Part 2

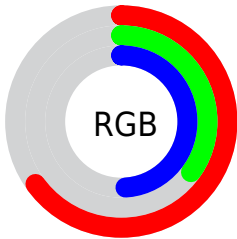
Format	Color
R_{YB}	167, 88, 126
Decimal	10967166
CIE _{Lab}	47.88, 37.09, -6.75
CIE _{LCh}	48, 37.695, 349.687
Yxy	16.7013, 0.3763, 0.2710
Android (android.graphics.Color)	4289157246 (0xFFA7587E)
YUV	115.9530, 4.9532, 44.7682
Hunter-Lab	40.8672, 29.7751, -2.9279

Details

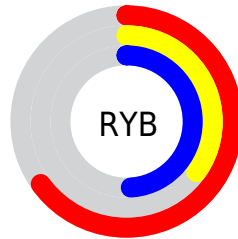
The Yxy color **16.7013, 0.3763, 0.2710** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **31.2966, 0.2768, 0.3973**, and the grayscale version is **17.4271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8581, 0.3614, 0.2835**, and **5.4328, 0.4042, 0.2483** is the 20% darker color. If you saturate the color by 10%, you get **14.0529, 0.3970, 0.2602**, and if you desaturate by 10%, it is **19.9987, 0.3583, 0.2832**.

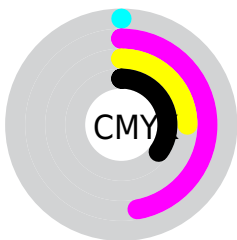
Distribution



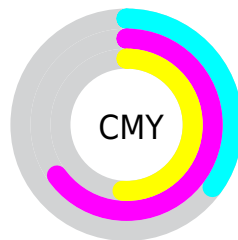
- Red (65%)
- Green (35%)
- Blue (49%)



- Red (65%)
- Yellow (35%)
- Blue (49%)



- Cyan (0%)
- Magenta (47%)
- Yellow (25%)
- Black (35%)





- Cyan (35%)
- Magenta (65%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7013, 0.3763, 0.2710 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 16.7013, 0.3763, 0.2710 by changing the saturation by 10% instead.


 16.7013, 0.3763,
0.2710


 16.7013, 0.3763,
0.2710


233.4451, 0.3398,
0.3037


 10.0218, 0.3874,
0.2614


 37.8115, 0.3617,
0.2839


 5.4134, 0.4032,
0.2479


 53.0109, 0.3566,
0.2884


 2.4918, 0.4273,
0.2280

 71.8191, 0.3525,
0.2921

 0.8725, 0.4683,
0.1957

 94.6204, 0.3491,
0.2952

 0.0000, 0.7592,
0.0000

 121.7993, 0.3462,
0.2978

 0.0000, 0.0000,
0.0000

153.7401, 0.3438,

0.3000

190.8273, 0.3417,
0.3020

■ 16.7013, 0.3763,
0.2710

■ 16.7013, 0.3763,
0.2710

■ 14.0529, 0.3970,
0.2602

■ 19.9987, 0.3583,
0.2832

■ 12.0071, 0.4201,
0.2519

■ 23.9824, 0.3430,
0.2958

■ 10.5153, 0.4450,
0.2473


■ 28.6900, 0.3301,
0.3084


■ 9.5199, 0.4706,
0.2474

■ 34.1553, 0.3194,
0.3206

■ 8.9320, 0.4956,
0.2525


■ 40.4102, 0.3105,
0.3320

 8.7987, 0.5024,
0.2541

 47.4846, 0.3031,
0.3427

 55.4071, 0.2970,
0.3526

 64.2045, 0.2920,
0.3616

 73.9028, 0.2878,
0.3699

Harmonies

Analogous

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



16.7013, 0.3002, 0.2345



16.7013, 0.3763, 0.2710



16.7013, 0.4381, 0.3204

Triad

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



16.7013, 0.3763, 0.2710



16.7013, 0.3812, 0.4621



16.7013, 0.1844, 0.2562

Complementary

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



16.7013, 0.3763, 0.2710



31.2966, 0.2768, 0.3973

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.



16.7013, 0.2002, 0.3186



16.7013, 0.3763, 0.2710



16.7013, 0.3108, 0.4552

Square

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



16.7013, 0.3763, 0.2710



16.7013, 0.4368, 0.4274



16.7013, 0.2447, 0.3974



16.7013, 0.1968, 0.2231

Rectangle

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



16.7013, 0.3763, 0.2710



16.7013, 0.4579, 0.3567



16.7013, 0.2447, 0.3974



16.7013, 0.1864, 0.2739

Sweetspot

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



16.7021, 0.3763, 0.2710



54.2190, 0.3266, 0.3122



14.4238, 0.2698, 0.1997



11.6960, 0.3290, 0.3096



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.



16.7021, 0.3763, 0.2710



24.8648, 0.3986, 0.2595



16.1189, 0.4379, 0.3314



7.6001, 0.3214, 0.3182



6.7430, 0.5002, 0.2529



0.1744, 0.4264, 0.2123

Inverse Universe

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



16.7021, 0.3763, 0.2710



24.8648, 0.3986, 0.2595



32.0212, 0.2507, 0.3266



7.6001, 0.3214, 0.3182



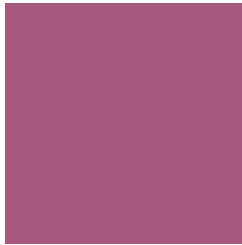
6.7430, 0.5002, 0.2529



0.1744, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 16.7013, 0.3763, 0.2710 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 16.7013, 0.3763, 0.2710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

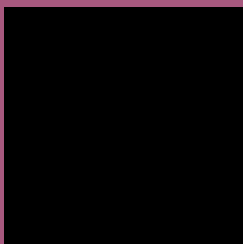
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7013, 0.3763, 0.2710

Background



This preview shows how black text looks on a background with the Yxy color 16.7013, 0.3763, 0.2710.



This preview shows how white text looks on a background with the Yxy color 16.7013, 0.3763, 0.2710.

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

16.7013, 0.3763, 0.2710

Protanopia

16.8890, 0.2731, 0.2737

Deuteranopia

16.9116, 0.3137, 0.3080



Tritanopia

16.6413, 0.4116, 0.3182

Trichromacy



Original Color

16.7013, 0.3763, 0.2710

Protanomaly

16.3453, 0.3061, 0.2712

Deuteranomaly

16.5338, 0.3354, 0.2933

Tritanomaly

16.5856, 0.3995, 0.3009

Monochromacy



Original Color

16.7013, 0.3763, 0.2710

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.8150, 0.3346, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7013, 0.3763, 0.2710 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(167, 88, 126)` looks like.

```
.text, #text, p{  
    color:rgb(167, 88, 126)  
}
```

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(167, 88, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 88, 126) }
```

Border

The CSS property to change the border of an element to Yxy 16.7013, 0.3763, 0.2710 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(167, 88, 126) }
```

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

```
.border{ border-color:rgb(167, 88, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 88, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 88, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 88, 126);  
box-shadow:4px 4px 4px 4px rgb(167, 88,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7013, 0.3763, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 88, 126) }
```

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

```
.background{ background-color: rgb(167, 88,  
126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor