

Converting Colors

$Yxy(16.9553, 0.4214, 0.2657)$

Have a look what the booklet for
Yxy(16.9553, 0.4214, 0.2657)
contains.

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Color

Yxy(16.9644, 0.4208, 0.2662)

Conversions

Conversions Part 1

Format	Color
Hex	BD4979
RGB	189, 73, 121
RGB Percent	74%, 29%, 47%
CMY	0.2589, 0.7136, 0.5255
CMYK	0.00, 0.61, 0.36, 0.26
HSL	335°, 47%, 51%
HSV	335°, 61%, 74%
XYZ	26.8168, 16.9644, 19.9469
YIQ	113.1560, 53.7280, 39.5200

Conversions

Conversions Part 2

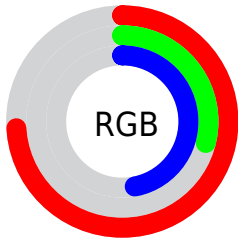
Format	Color
RYB	189, 73, 121
Decimal	12405113
CIELab	48.22, 51.15, -2.87
CIELCh	48, 51.230, 356.785
Yxy	16.9644, 0.4208, 0.2662
Android (android.graphics.Color)	4290595193 (0xFFBD4979)
YUV	113.1560, 3.8671, 66.5152
Hunter-Lab	41.1879, 44.1397, 0.1179

Details

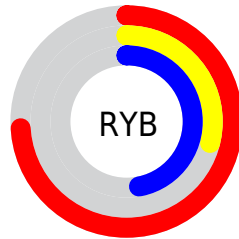
The Yxy color **16.9644, 0.4208, 0.2662** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **39.7298, 0.2655, 0.4096**, and the grayscale version is **16.5407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1523, 0.3957, 0.2804**, and **5.5819, 0.4660, 0.2405** is the 20% darker color. If you saturate the color by 10%, you get **14.5907, 0.4491, 0.2609**, and if you desaturate by 10%, it is **20.1256, 0.3952, 0.2745**.

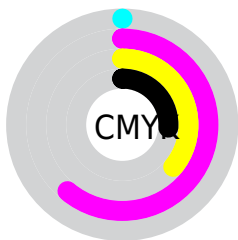
Distribution



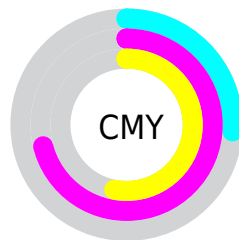
- Red (74%)
- Green (29%)
- Blue (47%)



- Red (74%)
- Yellow (29%)
- Blue (47%)



- Cyan (0%)
- Magenta (61%)
- Yellow (36%)
- Black (26%)



- Cyan (26%)
- Magenta (71%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9644, 0.4208, 0.2662 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 16.9644, 0.4208, 0.2662 by changing the saturation by 10% instead.


 16.9644, 0.4208,
0.2662


 16.9644, 0.4208,
0.2662


234.9671, 0.3585,
0.3020


 10.2091, 0.4398,
0.2555


 38.2646, 0.3958,
0.2804


 5.5378, 0.4667,
0.2406


 53.5782, 0.3872,
0.2854


 2.5661, 0.5072,
0.2184


 72.5135, 0.3801,
0.2894

 0.9097, 0.5744,
0.1827

 95.4547, 0.3743,
0.2928

 0.0000, 1.0000,
0.0000

 122.7862, 0.3694,
0.2956

 0.0000, 0.0000,
0.0000

154.8926, 0.3652,

0.2980

192.1581, 0.3616,
0.3001

■ 16.9644, 0.4208,
0.2662

■ 16.9644, 0.4208,
0.2662

■ 14.5907, 0.4491,
0.2609

■ 20.1256, 0.3952,
0.2745

■ 12.9299, 0.4789,
0.2598

■ 24.1344, 0.3729,
0.2846

■ 11.8977, 0.5084,
0.2639

■ 29.0484, 0.3539,
0.2956

■ 11.3694, 0.5326,
0.2708

■ 34.9190, 0.3380,
0.3067

■ 41.7940, 0.3249,
0.3174

■ 49.7179, 0.3140,
0.3277

■ 58.7324, 0.3051,
0.3372

■ 68.8771, 0.2978,
0.3460

■ 80.1895, 0.2918,
0.3541

Harmonies

Analogous

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



16.9644, 0.3177, 0.2170



16.9644, 0.4208, 0.2662



16.9644, 0.4941, 0.3286

Triad

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



16.9644, 0.4208, 0.2662



16.9644, 0.3749, 0.5123



16.9644, 0.1501, 0.2176

Complementary

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



16.9644, 0.4208, 0.2662



39.7298, 0.2655, 0.4096

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.



16.9644, 0.1591, 0.2878



16.9644, 0.4208, 0.2662



16.9644, 0.2831, 0.4934

Square

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



16.9644, 0.4208, 0.2662



16.9644, 0.4560, 0.4651



16.9644, 0.2042, 0.3966



16.9644, 0.1730, 0.1878

Rectangle

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



16.9644, 0.4208, 0.2662



16.9644, 0.5080, 0.3736



16.9644, 0.2042, 0.3966



16.9644, 0.1494, 0.2360

Sweetspot

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



16.9653, 0.4208, 0.2662



66.1393, 0.3337, 0.3100



14.0752, 0.2609, 0.1632



13.4899, 0.3378, 0.3068



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.



16.9653, 0.4208, 0.2662



24.8556, 0.4604, 0.2599



17.4369, 0.4949, 0.3417



9.6001, 0.3225, 0.3195



7.6655, 0.5294, 0.2690



0.3133, 0.4675, 0.2349

Inverse Universe

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



16.9653, 0.4208, 0.2662



24.8556, 0.4604, 0.2599



37.4601, 0.2354, 0.3136



9.6001, 0.3225, 0.3195



7.6655, 0.5294, 0.2690



0.3133, 0.4675, 0.2349

Previews

White Background



This preview shows how the Yxy color 16.9644, 0.4208, 0.2662 looks on a white background.

Color Contrast Check

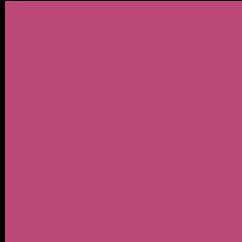
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9644, 0.4208, 0.2662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

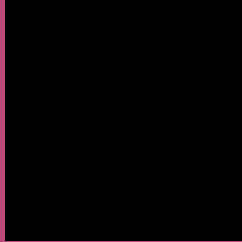
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9644, 0.4208, 0.2662

Background



This preview shows how black text looks on a background with the Yxy color 16.9644, 0.4208, 0.2662.



This preview shows how white text looks on a background with the Yxy color 16.9644, 0.4208, 0.2662.

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

16.9644, 0.4208, 0.2662

Protanopia

17.2670, 0.2684, 0.2671

Deuteranopia

17.0423, 0.3279, 0.3214



Tritanopia

16.9958, 0.4725, 0.3229

Trichromacy



Original Color

16.9644, 0.4208, 0.2662

Protanomaly

16.0770, 0.3145, 0.2611

Deuteranomaly

16.2233, 0.3613, 0.2949

Tritanomaly

16.9144, 0.4539, 0.3014

Monochromacy



Original Color

16.9644, 0.4208, 0.2662

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.6590, 0.3509, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9644, 0.4208, 0.2662 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(189, 73, 121)` looks like.

```
.text, #text, p{  
    color:rgb(189, 73, 121)  
}
```

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(189, 73, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 73, 121) }
```

Border

The CSS property to change the border of an element to Yxy 16.9644, 0.4208, 0.2662 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(189, 73, 121) }
```

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

```
.border{ border-color:rgb(189, 73, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 73, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 73, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 73, 121); box-shadow:4px 4px 4px 4px rgb(189, 73, 121) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9644, 0.4208, 0.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 73, 121) }
```

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

```
.background{ background-color: rgb(189, 73,  
121) }
```

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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