

Converting Colors

$Yxy(16.8006, 0.3171, 0.1606)$

Have a look what the booklet for
Yxy(16.8006, 0.3171, 0.1606)
contains.

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Color

Yxy(16.8814, 0.3168, 0.1606)

Conversions

Conversions Part 1

Format	Color
Hex	C323C6
RGB	195, 35, 198
RGB Percent	76%, 14%, 78%
CMY	0.2353, 0.8627, 0.2235
CMYK	0.02, 0.82, 0.00, 0.22
HSL	299°, 70%, 46%
HSV	299°, 82%, 78%
XYZ	33.3003, 16.8814, 54.9329
YIQ	101.4220, 43.0370, 84.6130

Conversions

Conversions Part 2

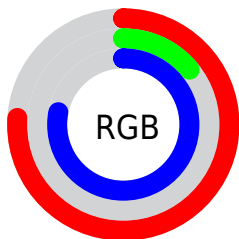
Format	Color
R _Y B	195, 35, 198
Decimal	12788678
CIE Lab	48.11, 76.15, -48.68
CIE LCh	48, 90.378, 327.409
Yxy	16.8814, 0.3168, 0.1606
Android (android.graphics.Color)	4290978758 (0xFFC323C6)
YUV	101.4220, 47.6130, 82.0679
Hunter-Lab	41.0870, 72.7690, -50.5092

Details

The Yxy color **16.8814, 0.3168, 0.1606** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **40.9246, 0.3017, 0.5797**, and the grayscale version is **12.9958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **7.3015, 0.3107, 0.1485** is the 20% darker color. If you saturate the color by 10%, you get **15.9787, 0.3166, 0.1543**, and if you desaturate by 10%, it is **18.4425, 0.3169, 0.1711**.

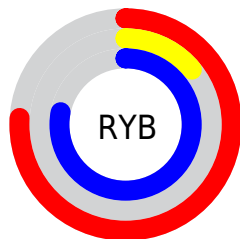
Distribution



Red (76%)

Green (14%)

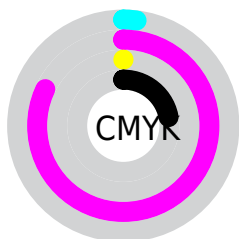
Blue (78%)



Red (76%)

Yellow (14%)

Blue (78%)

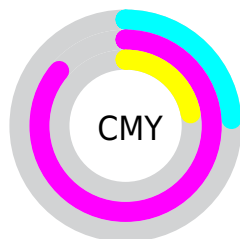


Cyan (2%)

Magenta (82%)

Yellow (0%)

Black (22%)



Cyan (24%)


Magenta (86%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8814, 0.3168, 0.1606 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 16.8814, 0.3168, 0.1606 by changing the saturation by 10% instead.


 16.8814, 0.3168,
0.1606


 16.8814, 0.3168,
0.1606


234.4880, 0.3195,
0.2427


 10.1500, 0.3144,
0.1417


 38.1217, 0.3190,
0.1894


 5.4985, 0.3103,
0.1188


 53.3995, 0.3195,
0.2006

 2.5426, 0.3029,
0.0911


 72.2947, 0.3197,
0.2102

 0.8979, 0.2894,
0.0585

 95.1919, 0.3198,
0.2185

 0.0000, 0.2695,
0.0000

 122.4754, 0.3198,
0.2257

 0.0000, 0.2048,
0.0000

 154.5297, 0.3197,

 0.0000, 0.0000,

0.2321

0.0000

191.7391, 0.3196,
0.2377

■ 16.8814, 0.3168,
0.1606

■ 16.8814, 0.3168,
0.1606

■ 15.9787, 0.3166,
0.1543

■ 18.4425, 0.3169,
0.1711

■ 15.5940, 0.3163,
0.1516

■ 20.7562, 0.3167,
0.1858

■ 23.9042, 0.3164,
0.2043

■ 27.9568, 0.3159,
0.2257

■ 32.9769, 0.3153,
0.2493

■ 39.0219, 0.3145,
0.2740

■ 46.1446, 0.3137,
0.2990

■ 54.3942, 0.3129,
0.3234

■ 63.8169, 0.3121,
0.3469

Harmonies

Analogous

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



16.8814, 0.1799, 0.1243



16.8814, 0.3168, 0.1606



16.8814, 0.5006, 0.2255

Triad

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



16.8814, 0.3168, 0.1606



16.8814, 0.4983, 0.5017



16.8814, 0.0813, 0.2393

Complementary

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



16.8814, 0.3168, 0.1606



40.9246, 0.3017, 0.5797

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.



16.8814, 0.1282, 0.4420



16.8814, 0.3168, 0.1606



16.8814, 0.3655, 0.6274

Square

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



16.8814, 0.3168, 0.1606



16.8814, 0.6007, 0.3884



16.8814, 0.2328, 0.6443



16.8814, 0.0784, 0.1476

Rectangle

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



16.8814, 0.3168, 0.1606



16.8814, 0.5937, 0.2765



16.8814, 0.2328, 0.6443



16.8814, 0.0908, 0.2934

Sweetspot

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



16.8822, 0.3168, 0.1606



65.6285, 0.3148, 0.2664



5.9823, 0.1628, 0.0835



13.2281, 0.3150, 0.2576



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.8822, 0.3168, 0.1606



27.6634, 0.3163, 0.1518



14.6126, 0.4435, 0.2365



10.8063, 0.3135, 0.3062



10.1449, 0.3164, 0.1517



0.4836, 0.3174, 0.1522

Inverse Universe

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



13.3490, 0.5953, 0.3278



21.3311, 0.6376, 0.3293



41.8977, 0.2714, 0.4785



10.6401, 0.3287, 0.3286



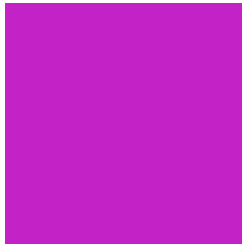
7.8143, 0.6378, 0.3287



0.3711, 0.6298, 0.3243

Previews

White Background



This preview shows how the Yxy color 16.8814, 0.3168, 0.1606 looks on a white background.

Color Contrast Check

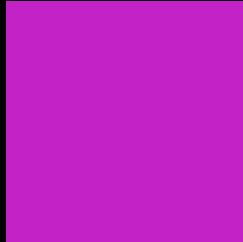
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8814, 0.3168, 0.1606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

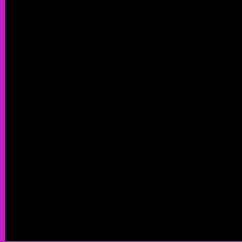
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8814, 0.3168, 0.1606

Background



This preview shows how black text looks on a background with the Yxy color 16.8814, 0.3168, 0.1606.



This preview shows how white text looks on a background with the Yxy color 16.8814, 0.3168, 0.1606.

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

16.8814, 0.3168, 0.1606

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.1889, 0.2100, 0.2039



Tritanopia

16.9584, 0.4639, 0.3226

Trichromacy



Original Color

16.8814, 0.3168, 0.1606



Protanomaly

12.8000, 0.1846, 0.1252



Deuteranomaly

14.1302, 0.2344, 0.1662



Tritanomaly

16.0197, 0.4084, 0.2484

Monochromacy



Original Color

16.8814, 0.3168, 0.1606



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.2362, 0.3160, 0.2263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8814, 0.3168, 0.1606 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(195, 35, 198)` looks like.

```
.text, #text, p{  
    color:rgb(195, 35, 198)  
}
```

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(195, 35, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 35, 198) }
```

Border

The CSS property to change the border of an element to Yxy 16.8814, 0.3168, 0.1606 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(195, 35, 198) }
```

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

```
.border{ border-color:rgb(195, 35, 198) }
```

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

Here you see how a box with a 4 pixel rgb(195, 35, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 35, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 35, 198);  
box-shadow:4px 4px 4px 4px rgb(195, 35,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8814, 0.3168, 0.1606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 35, 198) }
```

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

```
.background{ background-color: rgb(195, 35,  
198) }
```

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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