

Converting Colors

$Yxy(18.7147, 0.3739, 0.2127)$

Have a look what the booklet for
Yxy(18.7147, 0.3739, 0.2127)
contains.

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Color

Yxy(18.6783, 0.3735, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	CB3DA3
RGB	203, 61, 163
RGB Percent	80%, 24%, 64%
CMY	0.2039, 0.7607, 0.3608
CMYK	0.00, 0.70, 0.20, 0.20
HSL	317°, 58%, 52%
HSV	317°, 70%, 80%
XYZ	32.9073, 18.6783, 36.5196
YIQ	115.0860, 51.8900, 61.8260

Conversions

Conversions Part 2

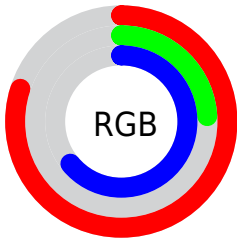
Format	Color
R_{YB}	203, 61, 163
Decimal	13319587
CIE _{Lab}	50.31, 65.28, -24.63
CIE _{LCh}	50, 69.772, 339.326
Yxy	18.6783, 0.3735, 0.2120
Android (android.graphics.Color)	4291509667 (0xFFFCB3DA3)
YUV	115.0860, 23.6216, 77.1006
Hunter-Lab	43.2184, 60.2810, -19.8472

Details

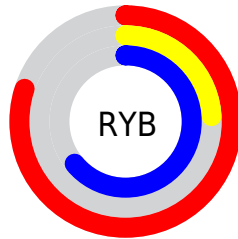
The Yxy color **18.6783, 0.3735, 0.2120** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **44.6430, 0.2852, 0.4968**, and the grayscale version is **17.0888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5156, 0.3542, 0.2314**, and **7.1674, 0.3893, 0.1918** is the 20% darker color. If you saturate the color by 10%, you get **16.7061, 0.3853, 0.2042**, and if you desaturate by 10%, it is **21.4815, 0.3620, 0.2239**.

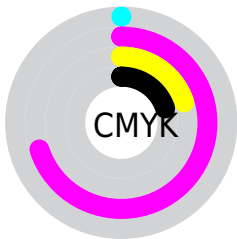
Distribution



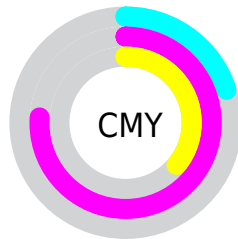
- Red (80%)
- Green (24%)
- Blue (64%)



- Red (80%)
- Yellow (24%)
- Blue (64%)



- Cyan (0%)
- Magenta (70%)
- Yellow (20%)
- Black (20%)





- Cyan (20%)
- Magenta (76%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6783, 0.3735, 0.2120 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 18.6783, 0.3735, 0.2120 by changing the saturation by 10% instead.


 18.6783, 0.3735,
0.2120


 18.6783, 0.3735,
0.2120


244.6670, 0.3418,
0.2725


 11.4381, 0.3817,
0.1965


 41.1898, 0.3617,
0.2343

 6.3623, 0.3924,
0.1767


 57.2298, 0.3574,
0.2426


 3.0666, 0.4067,
0.1503


 76.9719, 0.3537,
0.2496

 1.1666, 0.4265,
0.1147

 100.8005, 0.3506,
0.2555

 0.0342, 0.4825,
0.0087

 129.0998, 0.3480,
0.2606

 0.0000, 0.5088,
0.0000

162.2545, 0.3456,

 0.0000, 0.0000,

0.2651

0.0000

200.6487, 0.3436,
0.2690

■ 18.6783, 0.3735,
0.2120

■ 18.6783, 0.3735,
0.2120

■ 16.7061, 0.3853,
0.2042

■ 21.4815, 0.3620,
0.2239

■ 15.4637, 0.3970,
0.2012

■ 25.1959, 0.3513,
0.2391

■ 14.7690, 0.4084,
0.2024

■ 29.8952, 0.3414,
0.2563

■ 14.7655, 0.4084,
0.2024

■ 35.6450, 0.3326,
0.2746

■ 42.5051, 0.3250,
0.2932

■ 50.5308, 0.3183,
0.3115

■ 59.7737, 0.3127,
0.3291

■ 70.2823, 0.3079,
0.3457

■ 82.1024, 0.3039,
0.3612

Harmonies

Analogous

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



18.6783, 0.2465, 0.1684



18.6783, 0.3735, 0.2120



18.6783, 0.5027, 0.2768

Triad

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



18.6783, 0.3735, 0.2120



18.6783, 0.4407, 0.5234



18.6783, 0.1150, 0.2267

Complementary

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



18.6783, 0.3735, 0.2120



44.6430, 0.2852, 0.4968

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.



18.6783, 0.1453, 0.3496



18.6783, 0.3735, 0.2120



18.6783, 0.3310, 0.5766

Square

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



18.6783, 0.3735, 0.2120



18.6783, 0.5287, 0.4340



18.6783, 0.2225, 0.5096



18.6783, 0.1220, 0.1682

Rectangle

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



18.6783, 0.3735, 0.2120



18.6783, 0.5522, 0.3256



18.6783, 0.2225, 0.5096



18.6783, 0.1204, 0.2598

Sweetspot

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



18.6792, 0.3735, 0.2120



69.5296, 0.3259, 0.2907



10.2962, 0.2058, 0.1205



14.1684, 0.3280, 0.2855



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.



18.6792, 0.3735, 0.2120



26.7566, 0.3914, 0.2020



16.8457, 0.4921, 0.2927



11.3477, 0.3180, 0.3125



9.4132, 0.4070, 0.2015



0.4982, 0.3864, 0.1902

Inverse Universe

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



18.6792, 0.3735, 0.2120



26.7566, 0.3914, 0.2020



46.6004, 0.2492, 0.3805



11.3477, 0.3180, 0.3125



9.4132, 0.4070, 0.2015



0.4982, 0.3864, 0.1902

Previews

White Background



This preview shows how the Yxy color 18.6783, 0.3735, 0.2120 looks on a white background.

Color Contrast Check

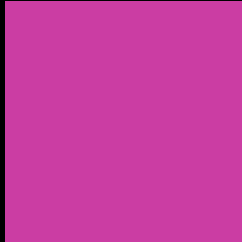
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.6783, 0.3735, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

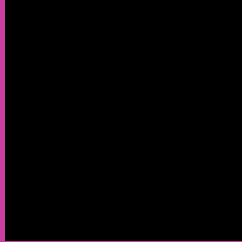
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6783, 0.3735, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 18.6783, 0.3735, 0.2120.



This preview shows how white text looks on a background with the Yxy color 18.6783, 0.3735, 0.2120.

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

18.6783, 0.3735, 0.2120

Protanopia

18.9821, 0.2059, 0.1856

Deuteranopia

18.9008, 0.2690, 0.2630



Tritanopia

18.6269, 0.4794, 0.3233

Trichromacy



Original Color

18.6783, 0.3735, 0.2120



Protanomaly

16.7151, 0.2448, 0.1839



Deuteranomaly

17.1290, 0.3017, 0.2318



Tritanomaly

18.4121, 0.4431, 0.2798

Monochromacy



Original Color

18.6783, 0.3735, 0.2120



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.0534, 0.3370, 0.2667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6783, 0.3735, 0.2120 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(203, 61, 163)` looks like.

```
.text, #text, p{  
    color:rgb(203, 61, 163)  
}
```

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(203, 61, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 61, 163) }
```

Border

The CSS property to change the border of an element to Yxy 18.6783, 0.3735, 0.2120 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(203, 61, 163) }
```

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

```
.border{ border-color:rgb(203, 61, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 61, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 61, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 61, 163);  
box-shadow:4px 4px 4px 4px rgb(203, 61,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6783, 0.3735, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 61, 163) }
```

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

```
.background{ background-color: rgb(203, 61,  
163) }
```

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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