

Converting Colors

$Y_{xy}(19.2111, 0.3603, 0.2030)$

Have a look what the booklet for
Yxy(19.2111, 0.3603, 0.2030)
contains.

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Color

Yxy(19.1920, 0.3600, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	CC3DAD
RGB	204, 61, 173
RGB Percent	80%, 24%, 68%
CMY	0.2002, 0.7605, 0.3216
CMYK	0.00, 0.70, 0.15, 0.20
HSL	313°, 58%, 52%
HSV	313°, 70%, 80%
XYZ	34.1023, 19.1920, 41.4343
YIQ	116.5250, 49.2760, 65.1480

Conversions

Conversions Part 2

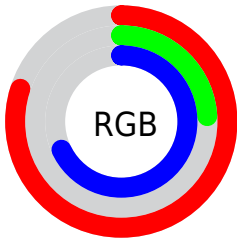
Format	Color
R_{YB}	204, 61, 173
Decimal	13385133
CIE _{Lab}	50.91, 66.88, -29.57
CIE _{LCh}	51, 73.126, 336.150
Yxy	19.1920, 0.3600, 0.2026
Android (android.graphics.Color)	4291575213 (0xFFCC3DAD)
YUV	116.5250, 27.8422, 76.7156
Hunter-Lab	43.8087, 62.2857, -25.4104

Details

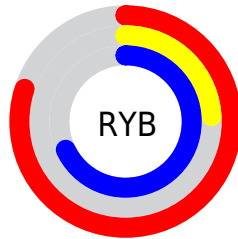
The Yxy color **19.1920, 0.3600, 0.2026** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **44.9309, 0.2897, 0.5115**, and the grayscale version is **17.5454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3501, 0.3429, 0.2228**, and **7.4671, 0.3707, 0.1816** is the 20% darker color. If you saturate the color by 10%, you get **17.2428, 0.3686, 0.1938**, and if you desaturate by 10%, it is **21.9765, 0.3515, 0.2155**.

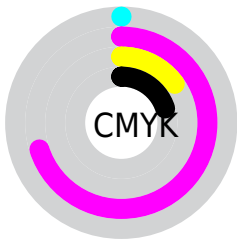
Distribution



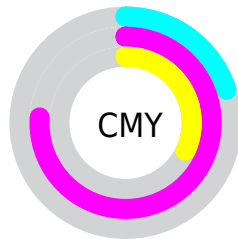
- Red (80%)
- Green (24%)
- Blue (68%)



- Red (80%)
- Yellow (24%)
- Blue (68%)



- Cyan (0%)
- Magenta (70%)
- Yellow (15%)
- Black (20%)





- Cyan (20%)
- Magenta (76%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1920, 0.3600, 0.2026 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 19.1920, 0.3600, 0.2026 by changing the saturation by 10% instead.


 19.1920, 0.3600,
0.2026


 19.1920, 0.3600,
0.2026


247.5067, 0.3366,
0.2668

 11.8091, 0.3656,
0.1866


 42.0583, 0.3516,
0.2260


 6.6138, 0.3725,
0.1663


 58.3104, 0.3484,
0.2348

 3.2218, 0.3812,
0.1400


 78.2878, 0.3457,
0.2422

 1.2486, 0.3919,
0.1052

 102.3748, 0.3434,
0.2486

 0.1009, 0.4209,
0.0204

 130.9558, 0.3413,
0.2541

 0.0000, 0.4104,
0.0000

164.4152, 0.3395,

 0.0000, 0.0000,

0.2589

0.0000

203.1373, 0.3380,
0.2631

■ 19.1920, 0.3600,
0.2026

■ 19.1920, 0.3600,
0.2026

■ 17.2428, 0.3686,
0.1938

■ 21.9765, 0.3515,
0.2155

■ 16.0266, 0.3771,
0.1897

■ 25.6777, 0.3433,
0.2317

■ 15.3598, 0.3852,
0.1896

■ 30.3702, 0.3357,
0.2501

■ 36.1202, 0.3288,
0.2698

■ 42.9883, 0.3227,
0.2899

■ 51.0304, 0.3173,
0.3097

■ 60.2986, 0.3127,
0.3289

■ 70.8421, 0.3088,
0.3470

■ 82.7071, 0.3055,
0.3640

Harmonies

Analogous

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



19.1920, 0.2327, 0.1611



19.1920, 0.3600, 0.2026



19.1920, 0.4979, 0.2668

Triad

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



19.1920, 0.3600, 0.2026



19.1920, 0.4534, 0.5181



19.1920, 0.1111, 0.2325

Complementary

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



19.1920, 0.3600, 0.2026



44.9309, 0.2897, 0.5115

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.



19.1920, 0.1460, 0.3671



19.1920, 0.3600, 0.2026



19.1920, 0.3416, 0.5844

Square

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



19.1920, 0.3600, 0.2026



19.1920, 0.5410, 0.4247



19.1920, 0.2293, 0.5323



19.1920, 0.1149, 0.1672

Rectangle

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



19.1920, 0.3600, 0.2026



19.1920, 0.5554, 0.3159



19.1920, 0.2293, 0.5323



19.1920, 0.1178, 0.2690

Sweetspot

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



19.1929, 0.3600, 0.2026



69.7383, 0.3234, 0.2874



9.9802, 0.1996, 0.1173



14.2185, 0.3251, 0.2818



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.



19.1929, 0.3600, 0.2026



27.4144, 0.3729, 0.1912



17.1270, 0.4799, 0.2840



11.3605, 0.3170, 0.3110



9.6870, 0.3841, 0.1890



0.5104, 0.3694, 0.1809

Inverse Universe

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



19.1929, 0.3600, 0.2026



27.4144, 0.3729, 0.1912



46.8187, 0.2528, 0.3924



11.3605, 0.3170, 0.3110



9.6870, 0.3841, 0.1890



0.5104, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 19.1920, 0.3600, 0.2026 looks on a white background.

Color Contrast Check

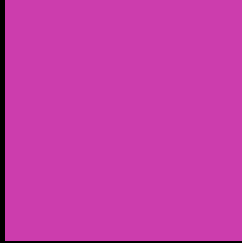
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1920, 0.3600, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

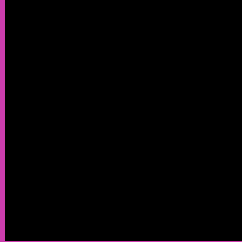
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1920, 0.3600, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 19.1920, 0.3600, 0.2026.



This preview shows how white text looks on a background with the Yxy color 19.1920, 0.3600, 0.2026.

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

19.1920, 0.3600, 0.2026

Protanopia

19.7918, 0.1972, 0.1749

Deuteranopia

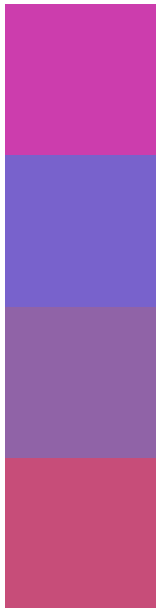
19.4283, 0.2574, 0.2520



Tritanopia

19.1640, 0.4707, 0.3219

Trichromacy



Original Color

19.1920, 0.3600, 0.2026

Protanomaly

17.0881, 0.2317, 0.1721

Deuteranomaly

17.6430, 0.2891, 0.2224

Tritanomaly

18.8303, 0.4320, 0.2743

Monochromacy



Original Color

19.1920, 0.3600, 0.2026

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.7451, 0.3325, 0.2628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1920, 0.3600, 0.2026 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(204, 61, 173)` looks like.

```
.text, #text, p{  
    color:rgb(204, 61, 173)  
}
```

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(204, 61, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 61, 173) }
```

Border

The CSS property to change the border of an element to Yxy 19.1920, 0.3600, 0.2026 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(204, 61, 173) }
```

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

```
.border{ border-color:rgb(204, 61, 173) }
```

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

Here you see how a box with a 4 pixel rgb(204, 61, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 61, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 61, 173);  
box-shadow:4px 4px 4px 4px rgb(204, 61,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1920, 0.3600, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 61, 173) }
```

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

```
.background{ background-color: rgb(204, 61,  
173) }
```

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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