

Converting Colors

$Y_{xy}(18.5072, 0.3369, 0.1717)$

Have a look what the booklet for
Yxy(18.5072, 0.3369, 0.1717)
contains.

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Color

Yxy(18.5667, 0.3379, 0.1725)

Conversions

Conversions Part 1

Format	Color
Hex	D024C2
RGB	208, 36, 194
RGB Percent	82%, 14%, 76%
CMY	0.1845, 0.8583, 0.2393
CMYK	0.00, 0.83, 0.07, 0.18
HSL	305°, 70%, 48%
HSV	305°, 83%, 82%
XYZ	36.3692, 18.5667, 52.6971
YIQ	105.4400, 51.7940, 85.6020

Conversions

Conversions Part 2

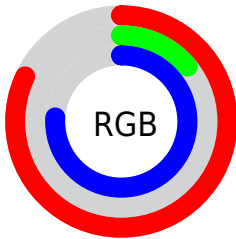
Format	Color
R _Y B	208, 36, 194
Decimal	13640898
CIE Lab	50.18, 77.75, -42.93
CIE LCh	50, 88.817, 331.096
Yxy	18.5667, 0.3379, 0.1725
Android (android.graphics.Color)	4291830978 (0xFFD024C2)
YUV	105.4400, 43.6601, 89.9451
Hunter-Lab	43.0891, 75.2564, -42.3482

Details

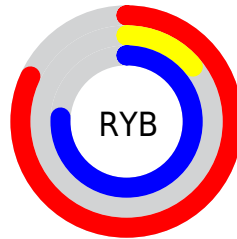
The Yxy color **18.5667, 0.3379, 0.1725** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **45.6969, 0.2976, 0.5702**, and the grayscale version is **14.1399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3282, 0.3228, 0.1942**, and **8.2830, 0.3364, 0.1627** is the 20% darker color. If you saturate the color by 10%, you get **17.5732, 0.3407, 0.1676**, and if you desaturate by 10%, it is **20.2936, 0.3348, 0.1817**.

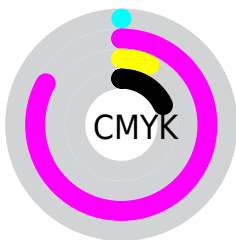
Distribution



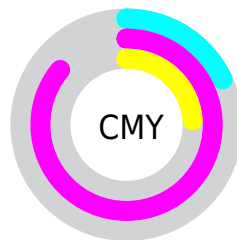
- Red (82%)
- Green (14%)
- Blue (76%)



- Red (82%)
- Yellow (14%)
- Blue (76%)



- Cyan (0%)
- Magenta (83%)
- Yellow (7%)
- Black (18%)




- Cyan (18%)
- Magenta (86%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5667, 0.3379, 0.1725 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 18.5667, 0.3379, 0.1725 by changing the saturation by 10% instead.


 18.5667, 0.3379,
0.1725

 18.5667, 0.3379,
0.1725


244.0461, 0.3285,
0.2490


 11.3576, 0.3390,
0.1547


 41.0006, 0.3354,
0.1995

 6.3079, 0.3396,
0.1329


 56.9943, 0.3341,
0.2099


 3.0332, 0.3389,
0.1059


 76.6848, 0.3330,
0.2188

 1.1491, 0.3351,
0.0732

 100.4568, 0.3319,
0.2265

 0.0195, 0.3344,
0.0027

 128.6945, 0.3310,
0.2332

 0.0000, 0.2923,
0.0000

161.7824, 0.3301,

 0.0000, 0.0000,

0.2391

0.0000

200.1048, 0.3292,
0.2443

■ 18.5667, 0.3379,
0.1725

■ 18.5667, 0.3379,
0.1725

■ 17.5732, 0.3407,
0.1676

■ 20.2936, 0.3348,
0.1817

■ 17.1665, 0.3426,
0.1661

■ 22.8617, 0.3316,
0.1952

■ 26.3634, 0.3282,
0.2124

■ 30.8785, 0.3249,
0.2325

■ 36.4784, 0.3216,
0.2545

■ 43.2278, 0.3186,
0.2774

■ 51.1865, 0.3158,
0.3006

■ 60.4102, 0.3133,
0.3232

■ 70.9509, 0.3111,
0.3449

Harmonies

Analogous

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



18.5667, 0.1975, 0.1329



18.5667, 0.3379, 0.1725



18.5667, 0.5122, 0.2390

Triad

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



18.5667, 0.3379, 0.1725



18.5667, 0.4828, 0.5172



18.5667, 0.0857, 0.2285

Complementary

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



18.5667, 0.3379, 0.1725



45.6969, 0.2976, 0.5702

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.



18.5667, 0.1268, 0.4084



18.5667, 0.3379, 0.1725



18.5667, 0.3508, 0.6246

Square

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



18.5667, 0.3379, 0.1725



18.5667, 0.5835, 0.4032



18.5667, 0.2244, 0.6135



18.5667, 0.0862, 0.1480

Rectangle

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



18.5667, 0.3379, 0.1725



18.5667, 0.5923, 0.2900



18.5667, 0.2244, 0.6135



18.5667, 0.0937, 0.2759

Sweetspot

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



18.5676, 0.3379, 0.1725



65.5215, 0.3194, 0.2713



6.4406, 0.1655, 0.0807



13.2021, 0.3205, 0.2631



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.



18.5676, 0.3379, 0.1725



27.2835, 0.3427, 0.1664



15.8119, 0.4777, 0.2562



11.9918, 0.3150, 0.3079



10.7116, 0.3423, 0.1659



0.6039, 0.3379, 0.1635

Inverse Universe

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



18.5676, 0.3379, 0.1725



27.2835, 0.3427, 0.1664



47.1730, 0.2630, 0.4504



11.9918, 0.3150, 0.3079



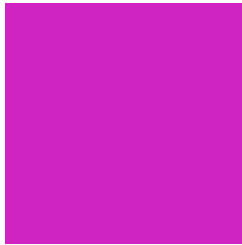
10.7116, 0.3423, 0.1659



0.6039, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 18.5667, 0.3379, 0.1725 looks on a white background.

Color Contrast Check

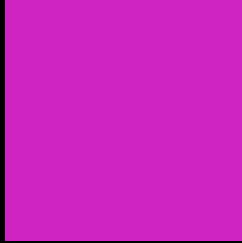
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5667, 0.3379, 0.1725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

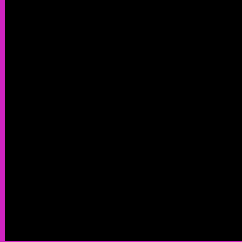
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5667, 0.3379, 0.1725

Background



This preview shows how black text looks on a background with the Yxy color 18.5667, 0.3379, 0.1725.



This preview shows how white text looks on a background with the Yxy color 18.5667, 0.3379, 0.1725.

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

18.5667, 0.3379, 0.1725

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

19.0255, 0.2266, 0.2214



Tritanopia

18.5930, 0.4829, 0.3234

Trichromacy



Original Color

18.5667, 0.3379, 0.1725



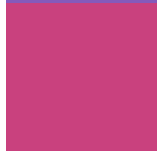
Protanomaly

13.8989, 0.1868, 0.1282



Deuteranomaly

15.8867, 0.2560, 0.1824



Tritanomaly

17.7045, 0.4308, 0.2565

Monochromacy



Original Color

18.5667, 0.3379, 0.1725



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.5595, 0.3247, 0.2334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5667, 0.3379, 0.1725 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(208, 36, 194)` looks like.

```
.text, #text, p{  
    color:rgb(208, 36, 194)  
}
```

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(208, 36, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 36, 194) }
```

Border

The CSS property to change the border of an element to Yxy 18.5667, 0.3379, 0.1725 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(208, 36, 194) }
```

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

```
.border{ border-color:rgb(208, 36, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 36, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 36, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 36, 194);  
box-shadow:4px 4px 4px 4px rgb(208, 36,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5667, 0.3379, 0.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 36, 194) }
```

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

```
.background{ background-color: rgb(208, 36,  
194) }
```

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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