

Converting Colors

$Y_{xy}(18.5782, 0.3375, 0.1748)$

Have a look what the booklet for
Yxy(18.5782, 0.3375, 0.1748)
contains.

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Color

Yxy(18.5135, 0.3379, 0.1749)

Conversions

Conversions Part 1

Format	Color
Hex	CE29C0
RGB	206, 41, 192
RGB Percent	81%, 16%, 75%
CMY	0.1921, 0.8394, 0.2470
CMYK	0.00, 0.80, 0.07, 0.19
HSL	305°, 67%, 48%
HSV	305°, 80%, 81%
XYZ	35.7674, 18.5135, 51.5711
YIQ	107.5490, 49.8690, 81.9410

Conversions

Conversions Part 2

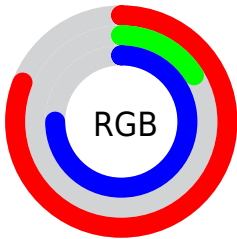
Format	Color
R _Y B	206, 41, 192
Decimal	13511104
CIE Lab	50.11, 76.01, -41.91
CIE LCh	50, 86.801, 331.129
Yxy	18.5135, 0.3379, 0.1749
Android (android.graphics.Color)	4291701184 (0xFFCE29C0)
YUV	107.5490, 41.6343, 86.3415
Hunter-Lab	43.0273, 73.0841, -40.9438

Details

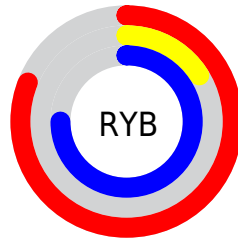
The Yxy color **18.5135, 0.3379, 0.1749** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **44.8990, 0.2974, 0.5640**, and the grayscale version is **14.7294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6149, 0.3246, 0.1971**, and **8.0380, 0.3366, 0.1628** is the 20% darker color. If you saturate the color by 10%, you get **17.3675, 0.3409, 0.1690**, and if you desaturate by 10%, it is **20.4068, 0.3346, 0.1852**.

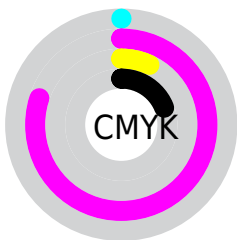
Distribution



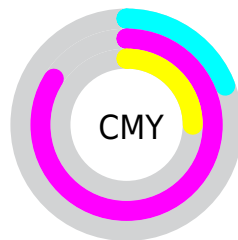
- Red (81%)
- Green (16%)
- Blue (75%)



- Red (81%)
- Yellow (16%)
- Blue (75%)



- Cyan (0%)
- Magenta (80%)
- Yellow (7%)
- Black (19%)





- Cyan (19%)
- Magenta (84%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5135, 0.3379, 0.1749 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 18.5135, 0.3379, 0.1749 by changing the saturation by 10% instead.


 18.5135, 0.3379,
0.1749


 18.5135, 0.3379,
0.1749


243.7497, 0.3283,
0.2506


 11.3193, 0.3391,
0.1572


 40.9104, 0.3353,
0.2017


 6.2820, 0.3398,
0.1353


 56.8819, 0.3340,
0.2120


 3.0173, 0.3394,
0.1083


 76.5479, 0.3328,
0.2208

 1.1408, 0.3358,
0.0751

 100.2928, 0.3318,
0.2284

 0.0125, 0.3363,
0.0018

 128.5010, 0.3308,
0.2350

 0.0000, 0.2933,
0.0000

161.5570, 0.3299,

 0.0000, 0.0000,

0.2408

0.0000

199.8451, 0.3291,
0.2460

■ 18.5135, 0.3379,
0.1749

■ 18.5135, 0.3379,
0.1749

■ 17.3675, 0.3409,
0.1690

■ 20.4068, 0.3346,
0.1852

■ 16.7796, 0.3436,
0.1667

■ 23.1469, 0.3312,
0.1997

■ 26.8210, 0.3278,
0.2176

■ 31.5048, 0.3243,
0.2382

■ 37.2662, 0.3211,
0.2604

■ 44.1672, 0.3180,
0.2834

■ 52.2651, 0.3152,
0.3064

■ 61.6133, 0.3127,
0.3287

■ 72.2622, 0.3105,
0.3500

Harmonies

Analogous

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



18.5135, 0.1997, 0.1355



18.5135, 0.3379, 0.1749



18.5135, 0.5084, 0.2409

Triad

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



18.5135, 0.3379, 0.1749



18.5135, 0.4828, 0.5172



18.5135, 0.0887, 0.2309

Complementary

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



18.5135, 0.3379, 0.1749



44.8990, 0.2974, 0.5640

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.



18.5135, 0.1301, 0.4068



18.5135, 0.3379, 0.1749



18.5135, 0.3522, 0.6195

Square

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



18.5135, 0.3379, 0.1749



18.5135, 0.5799, 0.4042



18.5135, 0.2271, 0.6061



18.5135, 0.0889, 0.1508

Rectangle

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



18.5135, 0.3379, 0.1749



18.5135, 0.5870, 0.2917



18.5135, 0.2271, 0.6061



18.5135, 0.0968, 0.2776

Sweetspot

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



18.5144, 0.3379, 0.1749



66.6448, 0.3193, 0.2738



6.8439, 0.1700, 0.0862



13.4162, 0.3204, 0.2655



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.



18.5144, 0.3379, 0.1749



27.4358, 0.3428, 0.1673



15.8275, 0.4756, 0.2591



11.3867, 0.3150, 0.3081



10.3370, 0.3433, 0.1665



0.5382, 0.3384, 0.1638

Inverse Universe

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



18.5144, 0.3379, 0.1749



27.4358, 0.3428, 0.1673



46.4368, 0.2615, 0.4413



11.3867, 0.3150, 0.3081



10.3370, 0.3433, 0.1665



0.5382, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 18.5135, 0.3379, 0.1749 looks on a white background.

Color Contrast Check

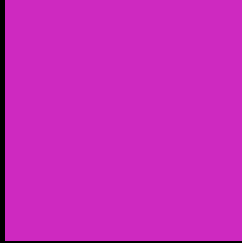
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5135, 0.3379, 0.1749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

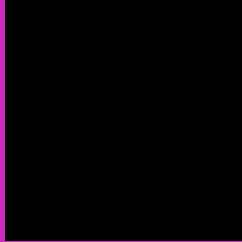
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5135, 0.3379, 0.1749

Background



This preview shows how black text looks on a background with the Yxy color 18.5135, 0.3379, 0.1749.



This preview shows how white text looks on a background with the Yxy color 18.5135, 0.3379, 0.1749.

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

18.5135, 0.3379, 0.1749

Protanopia

19.1446, 0.1737, 0.1454

Deuteranopia

18.7540, 0.2283, 0.2224



Tritanopia

18.4932, 0.4782, 0.3232

Trichromacy



Original Color

18.5135, 0.3379, 0.1749



Protanomaly

14.1316, 0.1871, 0.1309



Deuteranomaly

15.9715, 0.2579, 0.1858



Tritanomaly

17.7827, 0.4272, 0.2585

Monochromacy



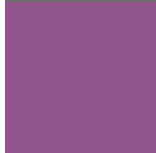
Original Color

18.5135, 0.3379, 0.1749



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.1340, 0.3244, 0.2371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5135, 0.3379, 0.1749 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(206, 41, 192)` looks like.

```
.text, #text, p{  
    color:rgb(206, 41, 192)  
}
```

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(206, 41, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 41, 192) }
```

Border

The CSS property to change the border of an element to Yxy 18.5135, 0.3379, 0.1749 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(206, 41, 192) }
```

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

```
.border{ border-color:rgb(206, 41, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 41, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 41, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 41, 192);  
box-shadow:4px 4px 4px 4px rgb(206, 41,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5135, 0.3379, 0.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 41, 192) }
```

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

```
.background{ background-color: rgb(206, 41,  
192) }
```

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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