

Converting Colors

$Yxy(18.5840, 0.3503, 0.1704)$

Have a look what the booklet for
Yxy(18.5840, 0.3503, 0.1704)
contains.

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Color

Yxy(18.6020, 0.3513, 0.1709)

Conversions

Conversions Part 1

Format	Color
Hex	D900C1
RGB	217, 0, 193
RGB Percent	85%, 0%, 76%
CMY	0.1490, 0.9996, 0.2433
CMYK	0.00, 1.00, 0.11, 0.15
HSL	307°, 100%, 43%
HSV	307°, 100%, 85%
XYZ	38.2380, 18.6020, 52.0072
YIQ	86.8850, 67.3790, 106.0270

Conversions

Conversions Part 2

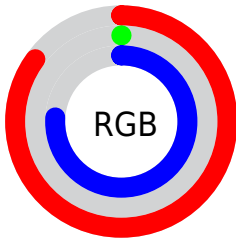
Format	Color
R_{YB}	217, 0, 193
Decimal	14221505
CIE _{Lab}	50.22, 83.69, -42.17
CIE _{LCh}	50, 93.710, 333.257
Yxy	18.6020, 0.3513, 0.1709
Android (android.graphics.Color)	4292411585 (0xFFD900C1)
YUV	86.8850, 52.3147, 114.1109
Hunter-Lab	43.1300, 82.7762, -41.3023

Details

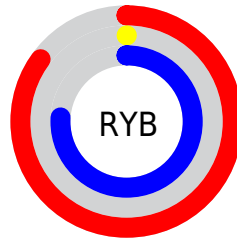
The Yxy color **18.6020, 0.3513, 0.1709** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **49.6938, 0.2980, 0.5929**, and the grayscale version is **9.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3465, 0.3241, 0.1882**, and **9.0322, 0.3517, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **18.6002, 0.3513, 0.1709**, and if you desaturate by 10%, it is **19.2752, 0.3476, 0.1727**.

Distribution



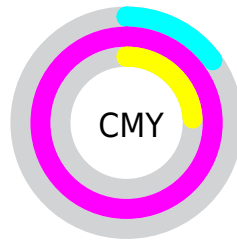
- Red (85%)
- Green (0%)
- Blue (76%)



- Red (85%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6020, 0.3513, 0.1709 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 18.6020, 0.3513, 0.1709 by changing the saturation by 10% instead.


 18.6020, 0.3513,
0.1709


 18.6020, 0.3513,
0.1709


244.2427, 0.3347,
0.2478


 11.3830, 0.3543,
0.1531


 41.0605, 0.3461,
0.1980


 6.3251, 0.3574,
0.1313


 57.0688, 0.3439,
0.2084

 3.0438, 0.3602,
0.1046


 76.7757, 0.3419,
0.2174


 1.1546, 0.3612,
0.0721

 100.5656, 0.3401,
0.2251

 0.0242, 0.3686,
0.0032

 128.8228, 0.3386,
0.2319

 0.0000, 0.3375,
0.0000

 161.9318, 0.3372,

 0.0000, 0.0000,

0.2378

0.0000

200.2770, 0.3359,
0.2431

■ 18.6020, 0.3513,
0.1709

■ 18.6020, 0.3513,
0.1709

■ 18.6002, 0.3513,
0.1709

■ 19.2752, 0.3476,
0.1727

■ 20.5833, 0.3437,
0.1783

■ 22.7344, 0.3394,
0.1884

■ 25.8446, 0.3351,
0.2026

■ 30.0119, 0.3307,
0.2203

■ 35.3222, 0.3265,
0.2405

■ 41.8525, 0.3226,
0.2624

■ 49.6732, 0.3189,
0.2849

■ 58.8493, 0.3156,
0.3073

Harmonies

Analogous

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



18.6020, 0.2007, 0.1285



18.6020, 0.3513, 0.1709



18.6020, 0.5338, 0.2399

Triad

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



18.6020, 0.3513, 0.1709



18.6020, 0.4732, 0.5268



18.6020, 0.0775, 0.2135

Complementary

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



18.6020, 0.3513, 0.1709



49.6938, 0.2980, 0.5929

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.



18.6020, 0.1138, 0.3942



18.6020, 0.3513, 0.1709



18.6020, 0.3370, 0.6431

Square

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



18.6020, 0.3513, 0.1709



18.6020, 0.5870, 0.4085



18.6020, 0.2086, 0.6216



18.6020, 0.0811, 0.1378

Rectangle

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



18.6020, 0.3513, 0.1709



18.6020, 0.6107, 0.2913



18.6020, 0.2086, 0.6216



18.6020, 0.0841, 0.2596

Sweetspot

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



18.6029, 0.3513, 0.1709



59.9861, 0.3227, 0.2617



5.1803, 0.1530, 0.0617



11.9404, 0.3243, 0.2522



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.



18.6029, 0.3513, 0.1709



26.7918, 0.3516, 0.1711



15.4400, 0.5403, 0.2750



13.2487, 0.3155, 0.3085



11.2692, 0.3508, 0.1706



0.7373, 0.3453, 0.1676

Inverse Universe

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



18.6029, 0.3513, 0.1709



26.7918, 0.3516, 0.1711



51.2455, 0.2631, 0.4672



13.2487, 0.3155, 0.3085



11.2692, 0.3508, 0.1706



0.7373, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 18.6020, 0.3513, 0.1709 looks on a white background.

Color Contrast Check

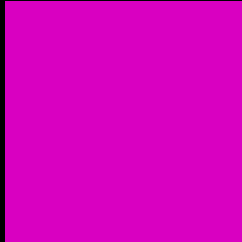
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6020, 0.3513, 0.1709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

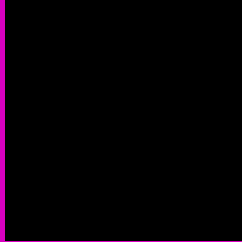
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6020, 0.3513, 0.1709

Background



This preview shows how black text looks on a background with the Yxy color 18.6020, 0.3513, 0.1709.



This preview shows how white text looks on a background with the Yxy color 18.6020, 0.3513, 0.1709.

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

18.6020, 0.3513, 0.1709

Protanopia

19.4999, 0.1737, 0.1454

Deuteranopia

19.3906, 0.2312, 0.2265



Tritanopia

18.8699, 0.5081, 0.3252

Trichromacy



Original Color

18.6020, 0.3513, 0.1709



Protanomaly

12.1613, 0.1847, 0.1141



Deuteranomaly

14.2995, 0.2631, 0.1705



Tritanomaly

17.1960, 0.4568, 0.2527

Monochromacy



Original Color

18.6020, 0.3513, 0.1709



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3071, 0.3324, 0.2067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6020, 0.3513, 0.1709 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(217, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 193)  
}
```

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(217, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 193) }
```

Border

The CSS property to change the border of an element to Yxy 18.6020, 0.3513, 0.1709 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(217, 0, 193) }
```

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

```
.border{ border-color:rgb(217, 0, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 0, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6020, 0.3513, 0.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 193) }
```

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

```
.background{ background-color: rgb(217, 0,  
193) }
```

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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