

Converting Colors

$Yxy(18.5141, 0.4204, 0.2090)$

Have a look what the booklet for
Yxy(18.5141, 0.4204, 0.2090)
contains.

Yxy(18.5353, 0.4215, 0.2096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.5353, 0.4215, 0.2096)

Conversions

Conversions Part 1

Format	Color
Hex	E2009B
RGB	226, 0, 155
RGB Percent	89%, 0%, 61%
CMY	0.1138, 0.9990, 0.3922
CMYK	0.00, 1.00, 0.31, 0.11
HSL	319°, 100%, 44%
HSV	319°, 100%, 89%
XYZ	37.2740, 18.5353, 32.6225
YIQ	85.2440, 84.9410, 96.1170

Conversions

Conversions Part 2

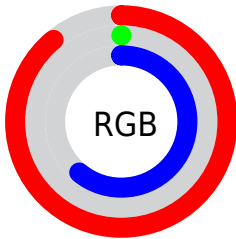
Format	Color
R_{YB}	226, 0, 155
Decimal	14811291
CIE _{Lab}	50.14, 80.90, -19.80
CIE _{LCh}	50, 83.286, 346.250
Yxy	18.5353, 0.4215, 0.2096
Android (android.graphics.Color)	4293001371 (0xFFE2009B)
YUV	85.2440, 34.3897, 123.4430
Hunter-Lab	43.0526, 79.1991, -14.7892

Details

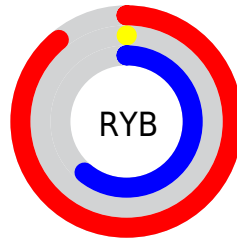
The Yxy color **18.5353, 0.4215, 0.2096** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **54.8376, 0.2884, 0.5581**, and the grayscale version is **9.0818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0976, 0.3661, 0.2191**, and **8.9988, 0.4405, 0.2200** is the 20% darker color. If you saturate the color by 10%, you get **18.5283, 0.4216, 0.2096**, and if you desaturate by 10%, it is **19.3835, 0.4083, 0.2072**.

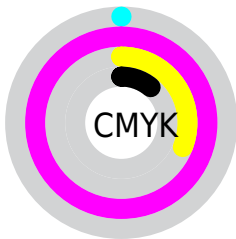
Distribution



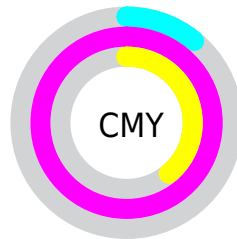
- Red (89%)
- Green (0%)
- Blue (61%)



- Red (89%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5353, 0.4215, 0.2096 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 18.5353, 0.4215, 0.2096 by changing the saturation by 10% instead.


 18.5353, 0.4215,
0.2096


 18.5353, 0.4215,
0.2096


243.8712, 0.3627,
0.2715


 11.3350, 0.4375,
0.1938

 40.9474, 0.3991,
0.2325


 6.2926, 0.4589,
0.1734


 56.9279, 0.3910,
0.2409


 3.0238, 0.4884,
0.1465


 76.6040, 0.3843,
0.2481

 1.1442, 0.5316,
0.1103

 100.3600, 0.3786,
0.2542

 0.0154, 0.6356,
0.0038

 128.5803, 0.3738,
0.2594

 0.0000, 0.8281,
0.0000

 161.6494, 0.3696,

 0.0000, 0.0000,

0.2640

0.0000

199.9515, 0.3660,
0.2680

■ 18.5353, 0.4215,
0.2096

■ 18.5353, 0.4215,
0.2096

■ 18.5283, 0.4216,
0.2096

■ 19.3835, 0.4083,
0.2072

■ 20.9477, 0.3948,
0.2094

■ 23.4507, 0.3812,
0.2165

■ 27.0214, 0.3680,
0.2278

■ 31.7682, 0.3558,
0.2423

■ 37.7861, 0.3446,
0.2590

■ 45.1604, 0.3348,
0.2767

■ 53.9691, 0.3262,
0.2946

■ 64.2840, 0.3189,
0.3123

Harmonies

Analogous

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



18.5353, 0.2638, 0.1562



18.5353, 0.4215, 0.2096



18.5353, 0.5631, 0.2822

Triad

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



18.5353, 0.4215, 0.2096



18.5353, 0.4180, 0.5681



18.5353, 0.0900, 0.1864

Complementary

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



18.5353, 0.4215, 0.2096



54.8376, 0.2884, 0.5581

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.



18.5353, 0.1087, 0.3071



18.5353, 0.4215, 0.2096



18.5353, 0.2920, 0.6255

Square

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



18.5353, 0.4215, 0.2096



18.5353, 0.5324, 0.4580



18.5353, 0.1778, 0.5092



18.5353, 0.1063, 0.1388

Rectangle

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



18.5353, 0.4215, 0.2096



18.5353, 0.5991, 0.3342



18.5353, 0.1778, 0.5092



18.5353, 0.0919, 0.2164

Sweetspot

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



18.5363, 0.4215, 0.2096



59.0666, 0.3350, 0.2761



6.7227, 0.1692, 0.0706



11.7187, 0.3391, 0.2685



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.



18.5363, 0.4215, 0.2096



24.3481, 0.4225, 0.2101



16.3624, 0.6099, 0.3134



13.8584, 0.3186, 0.3131



10.5956, 0.4197, 0.2085



0.7504, 0.4007, 0.1981

Inverse Universe

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



18.5363, 0.4215, 0.2096



24.3481, 0.4225, 0.2101



57.7089, 0.2431, 0.3950



13.8584, 0.3186, 0.3131



10.5956, 0.4197, 0.2085



0.7504, 0.4007, 0.1981

Previews

White Background



This preview shows how the Yxy color 18.5353, 0.4215, 0.2096 looks on a white background.

Color Contrast Check

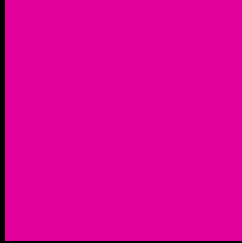
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5353, 0.4215, 0.2096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

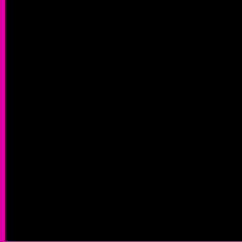
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5353, 0.4215, 0.2096

Background



This preview shows how black text looks on a background with the Yxy color 18.5353, 0.4215, 0.2096.



This preview shows how white text looks on a background with the Yxy color 18.5353, 0.4215, 0.2096.

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

18.5353, 0.4215, 0.2096

Protanopia

19.4794, 0.1960, 0.1731

Deuteranopia

19.0661, 0.2865, 0.2805



Tritanopia

18.9233, 0.5551, 0.3271

Trichromacy



Original Color

18.5353, 0.4215, 0.2096



Protanomaly

13.5754, 0.2392, 0.1521



Deuteranomaly

14.5730, 0.3325, 0.2179



Tritanomaly

17.8437, 0.5168, 0.2794

Monochromacy



Original Color

18.5353, 0.4215, 0.2096



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.9984, 0.3661, 0.2306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5353, 0.4215, 0.2096 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(226, 0, 155)` looks like.

```
.text, #text, p{  
  color:rgb(226, 0, 155)  
}
```

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(226, 0, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 155) }
```

Border

The CSS property to change the border of an element to Yxy 18.5353, 0.4215, 0.2096 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(226, 0, 155) }
```

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

```
.border{ border-color:rgb(226, 0, 155) }
```

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

Here you see how a box with a 4 pixel rgb(226, 0, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(226, 0,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5353, 0.4215, 0.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 155) }
```

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

```
.background{ background-color: rgb(226, 0,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor