

Converting Colors

$Y_{xy}(18.7836, 0.4068, 0.2098)$

Have a look what the booklet for
Yxy(18.7836, 0.4068, 0.2098)
contains.

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Color

Yxy(18.8553, 0.4066, 0.2097)

Conversions

Conversions Part 1

Format	Color
Hex	DD1F9F
RGB	221, 31, 159
RGB Percent	87%, 12%, 62%
CMY	0.1334, 0.8780, 0.3766
CMYK	0.00, 0.86, 0.28, 0.13
HSL	320°, 75%, 49%
HSV	320°, 86%, 87%
XYZ	36.5597, 18.8553, 34.5006
YIQ	102.4020, 72.1520, 80.0880

Conversions

Conversions Part 2

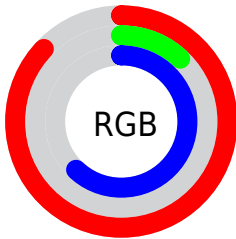
Format	Color
R_{YB}	221, 31, 159
Decimal	14491551
CIE _{Lab}	50.52, 76.92, -21.66
CIE _{LCh}	51, 79.908, 344.270
Yxy	18.8553, 0.4066, 0.2097
Android (android.graphics.Color)	4292681631 (0xFFDD1F9F)
YUV	102.4020, 27.9028, 104.0104
Hunter-Lab	43.4227, 74.2981, -16.7118

Details

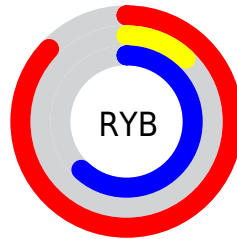
The Yxy color **18.8553, 0.4066, 0.2097** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **52.7862, 0.2833, 0.5265**, and the grayscale version is **13.3231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8155, 0.3605, 0.2218**, and **8.6386, 0.4268, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **17.8232, 0.4206, 0.2108**, and if you desaturate by 10%, it is **20.6934, 0.3923, 0.2137**.

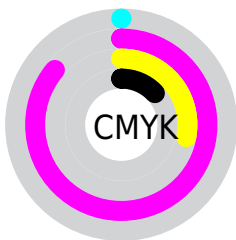
Distribution



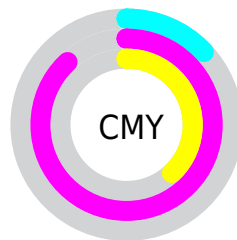
- Red (87%)
- Green (12%)
- Blue (62%)



- Red (87%)
- Yellow (12%)
- Blue (62%)



- Cyan (0%)
- Magenta (86%)
- Yellow (28%)
- Black (13%)





- Cyan (13%)
- Magenta (88%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8553, 0.4066, 0.2097 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 18.8553, 0.4066, 0.2097 by changing the saturation by 10% instead.


 18.8553, 0.4066,
0.2097


 18.8553, 0.4066,
0.2097


245.6488, 0.3564,
0.2712


 11.5658, 0.4201,
0.1940


 41.4894, 0.3876,
0.2324

 6.4487, 0.4379,
0.1740

 57.6029, 0.3807,
0.2408


 3.1198, 0.4625,
0.1475


 77.4263, 0.3750,
0.2479

 1.1946, 0.4980,
0.1119

 101.3443, 0.3701,
0.2539

 0.0573, 0.5822,
0.0135

 129.7411, 0.3659,
0.2592

 0.0000, 0.7032,
0.0000

163.0012, 0.3623,

 0.0000, 0.0000,

0.2637

0.0000

201.5090, 0.3592,
0.2677

■ 18.8553, 0.4066,
0.2097

■ 18.8553, 0.4066,
0.2097

■ 17.8232, 0.4206,
0.2108

■ 20.6934, 0.3923,
0.2137

■ 17.5326, 0.4262,
0.2122

■ 23.4744, 0.3782,
0.2224

■ 27.3124, 0.3648,
0.2349

■ 32.3044, 0.3525,
0.2501

■ 38.5365, 0.3415,
0.2670

■ 46.0863, 0.3318,
0.2846

■ 55.0252, 0.3235,
0.3022

■ 65.4195, 0.3164,
0.3193

■ 77.3311, 0.3104,
0.3355

Harmonies

Analogous

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



18.8553, 0.2577, 0.1591



18.8553, 0.4066, 0.2097



18.8553, 0.5461, 0.2804

Triad

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



18.8553, 0.4066, 0.2097



18.8553, 0.4257, 0.5545



18.8553, 0.0963, 0.1975

Complementary

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



18.8553, 0.4066, 0.2097



52.7862, 0.2833, 0.5265

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.



18.8553, 0.1184, 0.3204



18.8553, 0.4066, 0.2097



18.8553, 0.3040, 0.6121

Square

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



18.8553, 0.4066, 0.2097



18.8553, 0.5326, 0.4504



18.8553, 0.1906, 0.5119



18.8553, 0.1100, 0.1465

Rectangle

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



18.8553, 0.4066, 0.2097



18.8553, 0.5872, 0.3317



18.8553, 0.1906, 0.5119



18.8553, 0.0991, 0.2287

Sweetspot

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



18.8563, 0.4066, 0.2097



63.4294, 0.3321, 0.2841



8.4406, 0.1874, 0.0885



12.7543, 0.3353, 0.2779



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.



18.8563, 0.4066, 0.2097



24.2281, 0.4272, 0.2127



16.7464, 0.5714, 0.3058



13.1987, 0.3187, 0.3134



10.2090, 0.4242, 0.2110



0.6770, 0.4032, 0.1995

Inverse Universe

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



18.8563, 0.4066, 0.2097



24.2281, 0.4272, 0.2127



55.5463, 0.2414, 0.3798



13.1987, 0.3187, 0.3134



10.2090, 0.4242, 0.2110



0.6770, 0.4032, 0.1995

Previews

White Background



This preview shows how the Yxy color 18.8553, 0.4066, 0.2097 looks on a white background.

Color Contrast Check

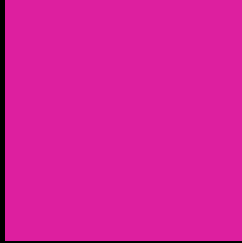
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8553, 0.4066, 0.2097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

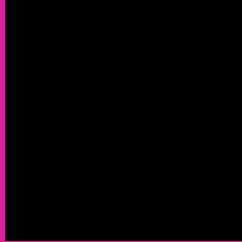
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8553, 0.4066, 0.2097

Background



This preview shows how black text looks on a background with the Yxy color 18.8553, 0.4066, 0.2097.



This preview shows how white text looks on a background with the Yxy color 18.8553, 0.4066, 0.2097.

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

18.8553, 0.4066, 0.2097

Protanopia

19.4794, 0.1960, 0.1731

Deuteranopia

19.2855, 0.2803, 0.2754



Tritanopia

18.8853, 0.5353, 0.3268

Trichromacy



Original Color

18.8553, 0.4066, 0.2097



Protanomaly

15.0928, 0.2382, 0.1636



Deuteranomaly

16.1842, 0.3216, 0.2276



Tritanomaly

18.4634, 0.4945, 0.2815

Monochromacy



Original Color

18.8553, 0.4066, 0.2097



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.6187, 0.3519, 0.2489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8553, 0.4066, 0.2097 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(221, 31, 159)` looks like.

```
.text, #text, p{  
    color:rgb(221, 31, 159)  
}
```

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(221, 31, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 31, 159) }
```

Border

The CSS property to change the border of an element to Yxy 18.8553, 0.4066, 0.2097 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(221, 31, 159) }
```

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

```
.border{ border-color:rgb(221, 31, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 31, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 31, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 31, 159);  
box-shadow:4px 4px 4px 4px rgb(221, 31,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8553, 0.4066, 0.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 31, 159) }
```

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

```
.background{ background-color: rgb(221, 31,  
159) }
```

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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