

Converting Colors

$Y_{xy}(18.7770, 0.3735, 0.1948)$

Have a look what the booklet for
Yxy(18.7770, 0.3735, 0.1948)
contains.

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Color

Yxy(18.8032, 0.3734, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	D627AE
RGB	214, 39, 174
RGB Percent	84%, 15%, 68%
CMY	0.1608, 0.8471, 0.3176
CMYK	0.00, 0.82, 0.19, 0.16
HSL	314°, 69%, 50%
HSV	314°, 82%, 84%
XYZ	36.0983, 18.8032, 41.7731
YIQ	106.7150, 60.9650, 79.0850

Conversions

Conversions Part 2

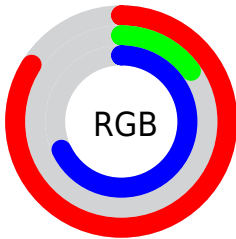
Format	Color
R_{YB}	214, 39, 174
Decimal	14034862
CIE _{Lab}	50.46, 75.64, -30.75
CIE _{LCh}	50, 81.653, 337.880
Yxy	18.8032, 0.3734, 0.1945
Android (android.graphics.Color)	4292224942 (0xFFD627AE)
YUV	106.7150, 33.1715, 94.0889
Hunter-Lab	43.3627, 72.7119, -26.7627

Details

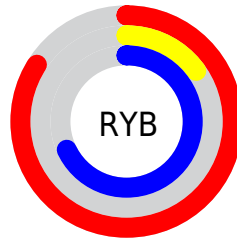
The Yxy color **18.8032, 0.3734, 0.1945** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **49.0915, 0.2894, 0.5402**, and the grayscale version is **14.5147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4886, 0.3431, 0.2116**, and **8.3490, 0.3846, 0.1892** is the 20% darker color. If you saturate the color by 10%, you get **17.5855, 0.3824, 0.1915**, and if you desaturate by 10%, it is **20.8213, 0.3642, 0.2022**.

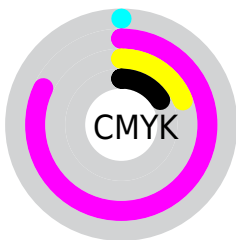
Distribution



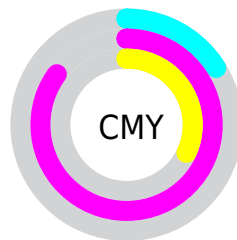
- Red (84%)
- Green (15%)
- Blue (68%)



- Red (84%)
- Yellow (15%)
- Blue (68%)



- Cyan (0%)
- Magenta (82%)
- Yellow (19%)
- Black (16%)





- Cyan (16%)
- Magenta (85%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8032, 0.3734, 0.1945 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 18.8032, 0.3734, 0.1945 by changing the saturation by 10% instead.


 18.8032, 0.3734,
0.1945


 18.8032, 0.3734,
0.1945


245.3602, 0.3429,
0.2623


 11.5282, 0.3808,
0.1779


 41.4013, 0.3624,
0.2190

 6.4233, 0.3901,
0.1570

 57.4931, 0.3583,
0.2283


 3.1041, 0.4020,
0.1301


 77.2927, 0.3547,
0.2361

 1.1863, 0.4173,
0.0954

 101.1844, 0.3517,
0.2429

 0.0505, 0.4555,
0.0096

 129.5526, 0.3491,
0.2487

 0.0000, 0.4573,
0.0000

162.7817, 0.3468,

 0.0000, 0.0000,

0.2538

0.0000

201.2561, 0.3447,
0.2583

■ 18.8032, 0.3734,
0.1945

■ 18.8032, 0.3734,
0.1945

■ 17.5855, 0.3824,
0.1915

■ 20.8213, 0.3642,
0.2022

■ 17.0167, 0.3895,
0.1919

■ 23.7535, 0.3551,
0.2143

■ 27.6980, 0.3463,
0.2297

■ 32.7397, 0.3382,
0.2477

■ 38.9544, 0.3308,
0.2670

■ 46.4114, 0.3242,
0.2869

■ 55.1744, 0.3185,
0.3066

■ 65.3026, 0.3135,
0.3257

■ 76.8519, 0.3093,
0.3438

Harmonies

Analogous

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



18.8032, 0.2303, 0.1494



18.8032, 0.3734, 0.1945



18.8032, 0.5269, 0.2629

Triad

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



18.8032, 0.3734, 0.1945



18.8032, 0.4519, 0.5359



18.8032, 0.0946, 0.2138

Complementary

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



18.8032, 0.3734, 0.1945



49.0915, 0.2894, 0.5402

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.



18.8032, 0.1258, 0.3582



18.8032, 0.3734, 0.1945



18.8032, 0.3284, 0.6154

Square

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



18.8032, 0.3734, 0.1945



18.8032, 0.5532, 0.4287



18.8032, 0.2098, 0.5539



18.8032, 0.1015, 0.1502

Rectangle

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



18.8032, 0.3734, 0.1945



18.8032, 0.5851, 0.3137



18.8032, 0.2098, 0.5539



18.8032, 0.1000, 0.2514

Sweetspot

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



18.8042, 0.3734, 0.1945



64.9475, 0.3264, 0.2800



7.8808, 0.1807, 0.0895



13.0630, 0.3287, 0.2729



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.



18.8042, 0.3734, 0.1945



25.4424, 0.3886, 0.1921



16.4623, 0.5246, 0.2856



12.5819, 0.3172, 0.3112



10.3015, 0.3883, 0.1913



0.6335, 0.3743, 0.1836

Inverse Universe

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



18.8042, 0.3734, 0.1945



25.4424, 0.3886, 0.1921



51.2225, 0.2502, 0.4053



12.5819, 0.3172, 0.3112



10.3015, 0.3883, 0.1913



0.6335, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 18.8032, 0.3734, 0.1945 looks on a white background.

Color Contrast Check

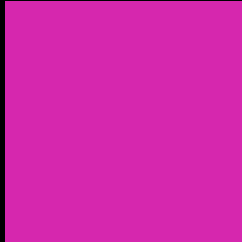
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8032, 0.3734, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

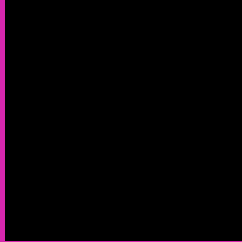
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8032, 0.3734, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 18.8032, 0.3734, 0.1945.



This preview shows how white text looks on a background with the Yxy color 18.8032, 0.3734, 0.1945.

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

18.8032, 0.3734, 0.1945

Protanopia

19.4071, 0.1832, 0.1565

Deuteranopia

19.0621, 0.2553, 0.2498



Tritanopia

18.8699, 0.5081, 0.3252

Trichromacy



Original Color

18.8032, 0.3734, 0.1945



Protanomaly

15.1370, 0.2142, 0.1489



Deuteranomaly

16.3425, 0.2914, 0.2093



Tritanomaly

18.3252, 0.4626, 0.2725

Monochromacy



Original Color

18.8032, 0.3734, 0.1945



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.7843, 0.3394, 0.2466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8032, 0.3734, 0.1945 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(214, 39, 174)` looks like.

```
.text, #text, p{  
    color:rgb(214, 39, 174)  
}
```

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(214, 39, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 39, 174) }
```

Border

The CSS property to change the border of an element to Yxy 18.8032, 0.3734, 0.1945 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(214, 39, 174) }
```

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

```
.border{ border-color:rgb(214, 39, 174) }
```

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

Here you see how a box with a 4 pixel rgb(214, 39, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 39, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 39, 174);  
box-shadow:4px 4px 4px 4px rgb(214, 39,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8032, 0.3734, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 39, 174) }
```

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

```
.background{ background-color: rgb(214, 39,  
174) }
```

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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