

Converting Colors

$Yxy(18.8269, 0.3759, 0.1845)$

Have a look what the booklet for
Yxy(18.8269, 0.3759, 0.1845)
contains.

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Color

Yxy(18.8249, 0.3762, 0.1846)

Conversions

Conversions Part 1

Format	Color
Hex	DE00B4
RGB	222, 0, 180
RGB Percent	87%, 0%, 71%
CMY	0.1294, 1.0000, 0.2941
CMYK	0.00, 1.00, 0.19, 0.13
HSL	311°, 100%, 44%
HSV	311°, 100%, 87%
XYZ	38.3636, 18.8249, 44.7882
YIQ	86.8980, 74.5320, 103.0440

Conversions

Conversions Part 2

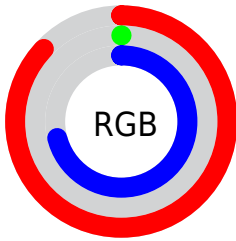
Format	Color
R_{YB}	222, 0, 180
Decimal	14549172
CIE _{Lab}	50.48, 82.95, -34.12
CIE _{LCh}	50, 89.696, 337.644
Yxy	18.8249, 0.3762, 0.1846
Android (android.graphics.Color)	4292739252 (0xFFDE00B4)
YUV	86.8980, 45.8993, 118.4845
Hunter-Lab	43.3877, 81.9023, -30.8324

Details

The Yxy color **18.8249, 0.3762, 0.1846** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **52.4142, 0.2953, 0.5833**, and the grayscale version is **9.3959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5005, 0.3378, 0.1983**, and **9.2137, 0.3837, 0.1887** is the 20% darker color. If you saturate the color by 10%, you get **18.8259, 0.3762, 0.1846**, and if you desaturate by 10%, it is **19.5813, 0.3693, 0.1850**.

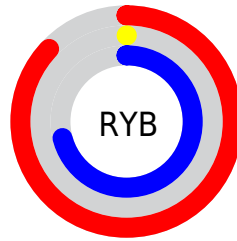
Distribution



Red (87%)

Green (0%)

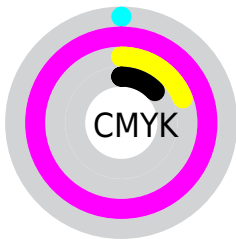
Blue (71%)



Red (87%)

Yellow (0%)

Blue (71%)

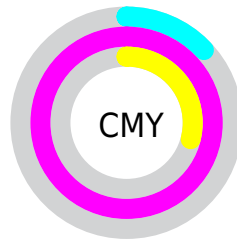


Cyan (0%)

Magenta (100%)

Yellow (19%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8249, 0.3762, 0.1846 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 18.8249, 0.3762, 0.1846 by changing the saturation by 10% instead.


 18.8249, 0.3762,
0.1846


 18.8249, 0.3762,
0.1846


245.4804, 0.3449,
0.2563


 11.5438, 0.3836,
0.1675


 41.4380, 0.3651,
0.2102


 6.4339, 0.3927,
0.1461


 57.5388, 0.3608,
0.2200


 3.1107, 0.4041,
0.1193


 77.3484, 0.3572,
0.2283

 1.1898, 0.4182,
0.0855

 101.2510, 0.3541,
0.2355

 0.0533, 0.4509,
0.0087

 129.6311, 0.3513,
0.2417

 0.0000, 0.4505,
0.0000

 162.8731, 0.3489,

 0.0000, 0.0000,

0.2471

0.0000

201.3614, 0.3468,
0.2520

■ 18.8249, 0.3762,
0.1846

■ 18.8249, 0.3762,
0.1846

■ 18.8259, 0.3762,
0.1846

■ 19.5813, 0.3693,
0.1850

■ 21.0103, 0.3621,
0.1894

■ 23.3304, 0.3547,
0.1985

■ 26.6650, 0.3473,
0.2117

■ 31.1178, 0.3401,
0.2283

■ 36.7797, 0.3334,
0.2473

■ 43.7324, 0.3272,
0.2676

■ 52.0502, 0.3217,
0.2885

■ 61.8021, 0.3169,
0.3091

Harmonies

Analogous

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



18.8249, 0.2221, 0.1383



18.8249, 0.3762, 0.1846



18.8249, 0.5453, 0.2550

Triad

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



18.8249, 0.3762, 0.1846



18.8249, 0.4555, 0.5445



18.8249, 0.0822, 0.2033

Complementary

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



18.8249, 0.3762, 0.1846



52.4142, 0.2953, 0.5833

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.



18.8249, 0.1123, 0.3601



18.8249, 0.3762, 0.1846



18.8249, 0.3218, 0.6399

Square

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



18.8249, 0.3762, 0.1846



18.8249, 0.5675, 0.4260



18.8249, 0.1984, 0.5820



18.8249, 0.0899, 0.1384

Rectangle

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



18.8249, 0.3762, 0.1846



18.8249, 0.6072, 0.3066



18.8249, 0.1984, 0.5820



18.8249, 0.0872, 0.2429

Sweetspot

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



18.8259, 0.3762, 0.1846



59.6225, 0.3274, 0.2671



5.7397, 0.1578, 0.0643



11.8524, 0.3299, 0.2584



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.



18.8259, 0.3762, 0.1846



25.7524, 0.3767, 0.1849



15.9769, 0.5732, 0.2932



13.8888, 0.3167, 0.3102



11.1969, 0.3752, 0.1841



0.7877, 0.3653, 0.1786

Inverse Universe

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



18.8259, 0.3762, 0.1846



25.7524, 0.3767, 0.1849



54.5043, 0.2548, 0.4371



13.8888, 0.3167, 0.3102



11.1969, 0.3752, 0.1841



0.7877, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 18.8249, 0.3762, 0.1846 looks on a white background.

Color Contrast Check

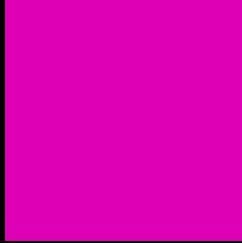
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8249, 0.3762, 0.1846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

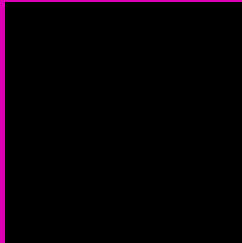
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8249, 0.3762, 0.1846

Background



This preview shows how black text looks on a background with the Yxy color 18.8249, 0.3762, 0.1846.



This preview shows how white text looks on a background with the Yxy color 18.8249, 0.3762, 0.1846.

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

18.8249, 0.3762, 0.1846

Protanopia

19.6247, 0.1734, 0.1441

Deuteranopia

19.4233, 0.2505, 0.2440



Tritanopia

19.1606, 0.5262, 0.3256

Trichromacy



Original Color

18.8249, 0.3762, 0.1846



Protanomaly

12.0831, 0.1867, 0.1161



Deuteranomaly

14.5756, 0.2878, 0.1862



Tritanomaly

17.6680, 0.4794, 0.2628

Monochromacy



Original Color

18.8249, 0.3762, 0.1846



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3471, 0.3448, 0.2153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8249, 0.3762, 0.1846 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(222, 0, 180)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 180)  
}
```

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(222, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 180) }
```

Border

The CSS property to change the border of an element to Yxy 18.8249, 0.3762, 0.1846 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(222, 0, 180) }
```

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

```
.border{ border-color:rgb(222, 0, 180) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8249, 0.3762, 0.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 180) }
```

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

```
.background{ background-color: rgb(222, 0,  
180) }
```

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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