

Converting Colors

$Yxy(21.8479, 0.3764, 0.1847)$

Have a look what the booklet for
Yxy(21.8479, 0.3764, 0.1847)
contains.

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Color

Yxy(21.8103, 0.3766, 0.1849)

Conversions

Conversions Part 1

Format	Color
Hex	ED01C0
RGB	237, 1, 192
RGB Percent	93%, 0%, 75%
CMY	0.0708, 0.9978, 0.2471
CMYK	0.00, 1.00, 0.19, 0.07
HSL	311°, 100%, 47%
HSV	311°, 100%, 93%
XYZ	44.4227, 21.8103, 51.7243
YIQ	93.3380, 79.3450, 109.4330

Conversions

Conversions Part 2

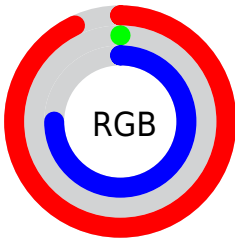
Format	Color
RYB	237, 1, 192
Decimal	15532480
CIELab	53.83, 87.05, -35.67
CIElCh	54, 94.077, 337.721
Yxy	21.8103, 0.3766, 0.1849
Android (android.graphics.Color)	4293722560 (0xFFED01C0)
YUV	93.3380, 48.6404, 125.9916
Hunter-Lab	46.7015, 88.0625, -32.9756

Details

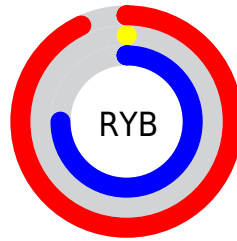
The Yxy color **21.8103, 0.3766, 0.1849** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **60.7315, 0.2954, 0.5832**, and the grayscale version is **10.8320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0232, 0.3249, 0.1915**, and **11.0651, 0.3841, 0.1890** is the 20% darker color. If you saturate the color by 10%, you get **21.7944, 0.3768, 0.1849**, and if you desaturate by 10%, it is **22.6660, 0.3697, 0.1851**.

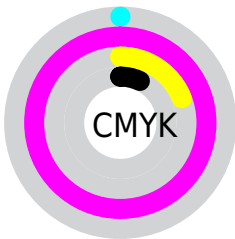
Distribution



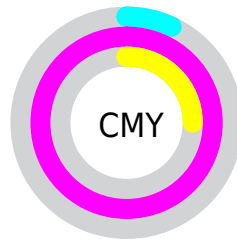
- Red (93%)
- Green (0%)
- Blue (75%)



- Red (93%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8103, 0.3766, 0.1849 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 21.8103, 0.3766, 0.1849 by changing the saturation by 10% instead.


 21.8103, 0.3766,
0.1849


 21.8103, 0.3766,
0.1849


261.5540, 0.3459,
0.2547


 13.7176, 0.3837,
0.1687


 46.4323, 0.3658,
0.2095

 7.9245, 0.3923,
0.1487


 63.7303, 0.3617,
0.2189


 4.0467, 0.4030,
0.1239


 84.8656, 0.3581,
0.2270

 1.6997, 0.4162,
0.0928

 110.2224, 0.3550,
0.2341

 0.4235, 0.4354,
0.0472

 140.1853, 0.3523,
0.2402

 0.0000, 0.4540,
0.0000

175.1386, 0.3499,

 0.0000, 0.4376,

0.2456

0.0000

215.4667, 0.3478,
0.2504

■ 0.0000, 0.0000,
0.0000

■ 21.8103, 0.3766,
0.1849

■ 21.8103, 0.3766,
0.1849

■ 21.7944, 0.3768,
0.1849

■ 22.6660, 0.3697,
0.1851

■ 24.3212, 0.3624,
0.1895

■ 27.0156, 0.3549,
0.1986

■ 30.8939, 0.3474,
0.2119

■ 36.0779, 0.3402,
0.2285

■ 42.6739, 0.3334,
0.2475

■ 50.7775, 0.3272,
0.2679

■ 60.4759, 0.3217,
0.2888

■ 71.8496, 0.3168,
0.3095

Harmonies

Analogous

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



21.8103, 0.2225, 0.1385



21.8103, 0.3766, 0.1849



21.8103, 0.5453, 0.2554

Triad

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



21.8103, 0.3766, 0.1849



21.8103, 0.4552, 0.5448



21.8103, 0.0824, 0.2032

Complementary

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



21.8103, 0.3766, 0.1849



60.7315, 0.2954, 0.5832

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.



21.8103, 0.1124, 0.3595



21.8103, 0.3766, 0.1849



21.8103, 0.3216, 0.6396

Square

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



21.8103, 0.3766, 0.1849



21.8103, 0.5663, 0.4258



21.8103, 0.1983, 0.5811



21.8103, 0.0902, 0.1385

Rectangle

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



21.8103, 0.3766, 0.1849



21.8103, 0.6070, 0.3069



21.8103, 0.1983, 0.5811



21.8103, 0.0873, 0.2427

Sweetspot

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



21.8114, 0.3766, 0.1849



59.6181, 0.3274, 0.2672



6.6565, 0.1577, 0.0643



11.8513, 0.3300, 0.2585



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.



21.8114, 0.3766, 0.1849



25.7403, 0.3770, 0.1851



18.5204, 0.5735, 0.2934



15.2618, 0.3167, 0.3101



11.9242, 0.3757, 0.1843



0.9490, 0.3667, 0.1794

Inverse Universe

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



21.8114, 0.3766, 0.1849



25.7403, 0.3770, 0.1851



63.1498, 0.2548, 0.4372



15.2618, 0.3167, 0.3101



11.9242, 0.3757, 0.1843



0.9490, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 21.8103, 0.3766, 0.1849 looks on a white background.

Color Contrast Check

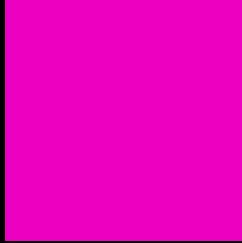
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8103, 0.3766, 0.1849 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 21.8103, 0.3766, 0.1849

Background



This preview shows how black text looks on a background with the Yxy color 21.8103, 0.3766, 0.1849.



This preview shows how white text looks on a background with the Yxy color 21.8103, 0.3766, 0.1849.

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

21.8320, 0.3766, 0.1850

Protanopia

22.8198, 0.1822, 0.1550

Deuteranopia

22.3110, 0.2503, 0.2439



Tritanopia

22.2421, 0.5278, 0.3259

Trichromacy



Original Color

21.8320, 0.3766, 0.1850



Protanomaly

15.4151, 0.2105, 0.1303



Deuteranomaly

16.8662, 0.2883, 0.1873



Tritanomaly

20.5660, 0.4799, 0.2632

Monochromacy



Original Color

21.8320, 0.3766, 0.1850



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7327, 0.3450, 0.2152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8103, 0.3766, 0.1849 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(237, 1, 192)` looks like.

```
.text, #text, p{  
    color:rgb(237, 1, 192)  
}
```

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(237, 1, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 1, 192) }
```

Border

The CSS property to change the border of an element to Yxy 21.8103, 0.3766, 0.1849 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(237, 1, 192) }
```

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

```
.border{ border-color:rgb(237, 1, 192) }
```

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

Here you see how a box with a 4 pixel rgb(237, 1, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 1, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 1, 192);  
box-shadow:4px 4px 4px 4px rgb(237, 1,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8103, 0.3766, 0.1849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 1, 192) }
```

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

```
.background{ background-color: rgb(237, 1,  
192) }
```

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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