

Converting Colors

$Y_{xy}(20.9370, 0.3808, 0.1960)$

Have a look what the booklet for
Yxy(20.9370, 0.3808, 0.1960)
contains.

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Color

Yxy(20.8879, 0.3807, 0.1961)

Conversions

Conversions Part 1

Format	Color
Hex	E324B4
RGB	227, 36, 180
RGB Percent	89%, 14%, 71%
CMY	0.1098, 0.8589, 0.2941
CMYK	0.00, 0.84, 0.21, 0.11
HSL	315°, 77%, 52%
HSV	315°, 84%, 89%
XYZ	40.5509, 20.8879, 45.0778
YIQ	109.5250, 67.6120, 85.2760

Conversions

Conversions Part 2

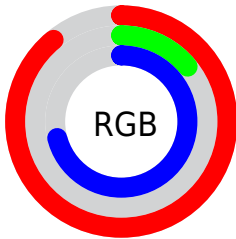
Format	Color
R _Y B	227, 36, 180
Decimal	14886068
CIE Lab	52.83, 79.74, -30.39
CIE LCh	53, 85.337, 339.135
Yxy	20.8879, 0.3807, 0.1961
Android (android.graphics.Color)	4293076148 (0xFFE324B4)
YUV	109.5250, 34.7442, 103.0256
Hunter-Lab	45.7033, 78.3958, -26.4863

Details

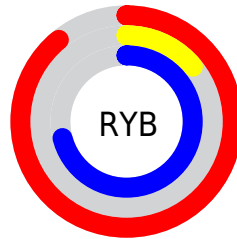
The Yxy color **20.8879, 0.3807, 0.1961** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **55.9439, 0.2886, 0.5425**, and the grayscale version is **15.3322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8315, 0.3370, 0.2069**, and **9.7478, 0.3919, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **19.7003, 0.3905, 0.1947**, and if you desaturate by 10%, it is **22.9560, 0.3707, 0.2023**.

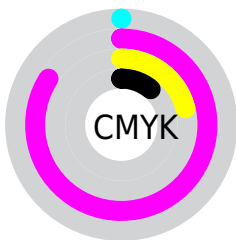
Distribution



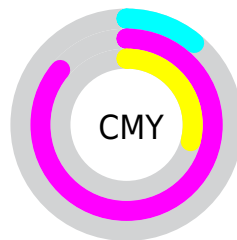
- Red (89%)
- Green (14%)
- Blue (71%)



- Red (89%)
- Yellow (14%)
- Blue (71%)



- Cyan (0%)
- Magenta (84%)
- Yellow (21%)
- Black (11%)





- Cyan (11%)
- Magenta (86%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8879, 0.3807, 0.1961 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 20.8879, 0.3807, 0.1961 by changing the saturation by 10% instead.

 20.8879, 0.3807,
0.1961


 20.8879, 0.3807,
0.1961


256.6821, 0.3466,
0.2621


 13.0421, 0.3890,
0.1802


 44.9009, 0.3684,
0.2197

 7.4575, 0.3995,
0.1603


 61.8369, 0.3638,
0.2287

 3.7498, 0.4130,
0.1350


 82.5717, 0.3598,
0.2364

 1.5346, 0.4308,
0.1024

 107.4897, 0.3564,
0.2430

 0.3129, 0.4617,
0.0456

 136.9754, 0.3535,
0.2487

 0.0000, 0.4903,
0.0000

171.4131, 0.3509,

 0.0000, 0.7177,

0.2537

0.0000

211.1872, 0.3487,
0.2581

■ 0.0000, 0.0000,
0.0000

■ 20.8879, 0.3807,
0.1961

■ 20.8879, 0.3807,
0.1961

■ 19.7003, 0.3905,
0.1947

■ 22.9560, 0.3707,
0.2023

■ 19.2790, 0.3960,
0.1955

■ 26.0442, 0.3606,
0.2131


■ 30.2708, 0.3510,
0.2276


■ 35.7370, 0.3420,
0.2447

■ 42.5329, 0.3338,
0.2635

 50.7400, 0.3265,
0.2830

 60.4334, 0.3202,
0.3025

 71.6828, 0.3147,
0.3214

 84.5536, 0.3101,
0.3394

Harmonies

Analogous

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



20.8879, 0.2346, 0.1496



20.8879, 0.3807, 0.1961



20.8879, 0.5339, 0.2653

Triad

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



20.8879, 0.3807, 0.1961



20.8879, 0.4468, 0.5408



20.8879, 0.0930, 0.2087

Complementary

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



20.8879, 0.3807, 0.1961



55.9439, 0.2886, 0.5425

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.



20.8879, 0.1222, 0.3503



20.8879, 0.3807, 0.1961



20.8879, 0.3226, 0.6191

Square

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



20.8879, 0.3807, 0.1961



20.8879, 0.5510, 0.4326



20.8879, 0.2042, 0.5495



20.8879, 0.1014, 0.1476

Rectangle

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



20.8879, 0.3807, 0.1961



20.8879, 0.5891, 0.3164



20.8879, 0.2042, 0.5495



20.8879, 0.0978, 0.2452

Sweetspot

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



20.8890, 0.3807, 0.1961



64.8813, 0.3272, 0.2810



8.5370, 0.1789, 0.0856



13.0471, 0.3297, 0.2741



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.



20.8890, 0.3807, 0.1961



25.0771, 0.3966, 0.1959



18.2803, 0.5398, 0.2900



14.5514, 0.3175, 0.3114



11.2616, 0.3947, 0.1948



0.8467, 0.3816, 0.1876

Inverse Universe

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



20.8890, 0.3807, 0.1961



25.0771, 0.3966, 0.1959



58.4569, 0.2486, 0.4032



14.5514, 0.3175, 0.3114



11.2616, 0.3947, 0.1948



0.8467, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 20.8879, 0.3807, 0.1961 looks on a white background.

Color Contrast Check

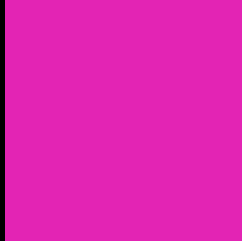
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8879, 0.3807, 0.1961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

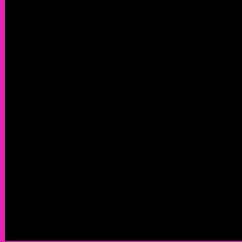
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8879, 0.3807, 0.1961

Background



This preview shows how black text looks on a background with the Yxy color 20.8879, 0.3807, 0.1961.



This preview shows how white text looks on a background with the Yxy color 20.8879, 0.3807, 0.1961.

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

20.8879, 0.3807, 0.1961

Protanopia

21.6114, 0.1836, 0.1569

Deuteranopia

21.1766, 0.2591, 0.2544



Tritanopia

20.9619, 0.5180, 0.3256

Trichromacy



Original Color

20.8879, 0.3807, 0.1961



Protanomaly

16.5229, 0.2157, 0.1469



Deuteranomaly

17.9138, 0.2970, 0.2114



Tritanomaly

20.2592, 0.4724, 0.2730

Monochromacy



Original Color

20.8879, 0.3807, 0.1961



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.7081, 0.3435, 0.2452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8879, 0.3807, 0.1961 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(227, 36, 180)` looks like.

```
.text, #text, p{  
    color:rgb(227, 36, 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(227, 36, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 36, 180) }
```

Border

The CSS property to change the border of an element to Yxy 20.8879, 0.3807, 0.1961 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(227, 36, 180) }
```

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

```
.border{ border-color:rgb(227, 36, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 36, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 36, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 36, 180);  
box-shadow:4px 4px 4px 4px rgb(227, 36,  
180) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.8879, 0.3807, 0.1961$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 36, 180) }
```

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

```
.background{ background-color: rgb(227, 36,  
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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