

Converting Colors

Yxy(21.0464, 0.3857, 0.1899)

Have a look what the booklet for
Yxy(21.0464, 0.3857, 0.1899)
contains.

Yxy(21.1229, 0.3859, 0.1900)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.1229, 0.3859, 0.1900)

Conversions

Conversions Part 1

Format	Color
Hex	EB00B8
RGB	235, 0, 184
RGB Percent	92%, 0%, 72%
CMY	0.0786, 0.9985, 0.2785
CMYK	0.00, 1.00, 0.22, 0.08
HSL	313°, 100%, 46%
HSV	313°, 100%, 92%
XYZ	42.9017, 21.1229, 47.1485
YIQ	91.2410, 80.9960, 107.0440

Conversions

Conversions Part 2

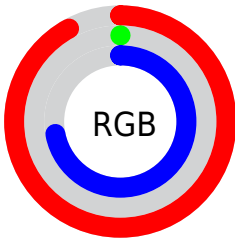
Format	Color
RYB	235, 0, 184
Decimal	15401144
CIELab	53.08, 85.77, -32.20
CIELCh	53, 91.614, 339.423
Yxy	21.1229, 0.3859, 0.1900
Android (android.graphics.Color)	4293591224 (0xFFEB00B8)
YUV	91.2410, 45.7302, 126.0766
Hunter-Lab	45.9597, 86.1941, -28.6519

Details

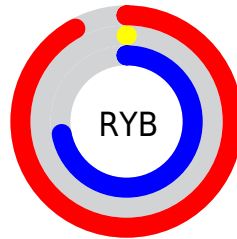
The Yxy color **21.1229, 0.3859, 0.1900** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **59.6414, 0.2941, 0.5788**, and the grayscale version is **10.4498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2866, 0.3337, 0.1974**, and **10.6374, 0.3949, 0.1949** is the 20% darker color. If you saturate the color by 10%, you get **21.1123, 0.3860, 0.1900**, and if you desaturate by 10%, it is **21.9820, 0.3777, 0.1897**.

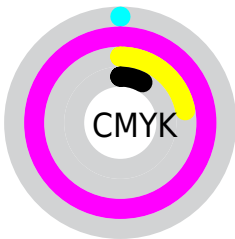
Distribution



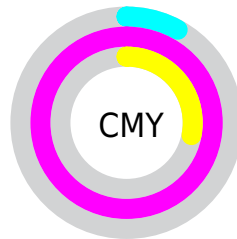
- Red (92%)
- Green (0%)
- Blue (72%)



- Red (92%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1229, 0.3859, 0.1900 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 21.1229, 0.3859, 0.1900 by changing the saturation by 10% instead.


 21.1229, 0.3859,
0.1900


 21.1229, 0.3859,
0.1900


257.9309, 0.3495,
0.2582


 13.2139, 0.3947,
0.1738


 45.2920, 0.3728,
0.2142


 7.5760, 0.4057,
0.1538

 62.3208, 0.3679,
0.2235

 3.8248, 0.4198,
0.1285


 83.1584, 0.3637,
0.2315

 1.5761, 0.4382,
0.0965

 108.1891, 0.3600,
0.2383

 0.3414, 0.4682,
0.0443

 137.7973, 0.3569,
0.2442

 0.0000, 0.4984,
0.0000

 172.3674, 0.3541,

 0.0000, 0.5967,

0.2495

0.0000

212.2838, 0.3517,
0.2541

■ 0.0000, 0.0000,
0.0000

■ 21.1229, 0.3859,
0.1900

■ 21.1229, 0.3859,
0.1900

■ 21.1123, 0.3860,
0.1900

■ 21.9820, 0.3777,
0.1897

■ 23.6227, 0.3692,
0.1936

■ 26.2833, 0.3605,
0.2023

■ 30.1058, 0.3518,
0.2151

■ 35.2094, 0.3435,
0.2314

■ 41.6986, 0.3359,
0.2499

■ 49.6670, 0.3289,
0.2697

■ 59.2002, 0.3227,
0.2900

■ 70.3770, 0.3173,
0.3100

Harmonies

Analogous

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



21.1229, 0.2308, 0.1422



21.1229, 0.3859, 0.1900



21.1229, 0.5493, 0.2609

Triad

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



21.1229, 0.3859, 0.1900



21.1229, 0.4478, 0.5501



21.1229, 0.0840, 0.1995

Complementary

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



21.1229, 0.3859, 0.1900



59.6414, 0.2941, 0.5788

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.



21.1229, 0.1117, 0.3478



21.1229, 0.3859, 0.1900



21.1229, 0.3158, 0.6378

Square

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



21.1229, 0.3859, 0.1900



21.1229, 0.5593, 0.4325



21.1229, 0.1942, 0.5662



21.1229, 0.0934, 0.1386

Rectangle

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



21.1229, 0.3859, 0.1900



21.1229, 0.6055, 0.3125



21.1229, 0.1942, 0.5662



21.1229, 0.0883, 0.2369

Sweetspot

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



21.1240, 0.3859, 0.1900



59.4950, 0.3291, 0.2691



6.7136, 0.1604, 0.0658



11.8216, 0.3319, 0.2606



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.



21.1240, 0.3859, 0.1900



25.4101, 0.3864, 0.1902



18.0678, 0.5853, 0.2999



15.2544, 0.3171, 0.3107



11.7737, 0.3848, 0.1893



0.9384, 0.3742, 0.1835

Inverse Universe

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



21.1240, 0.3859, 0.1900



25.4101, 0.3864, 0.1902



62.2448, 0.2514, 0.4251



15.2544, 0.3171, 0.3107



11.7737, 0.3848, 0.1893



0.9384, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 21.1229, 0.3859, 0.1900 looks on a white background.

Color Contrast Check

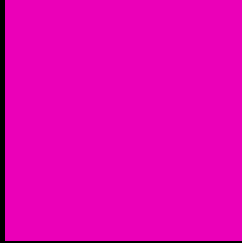
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1229, 0.3859, 0.1900 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 21.1229, 0.3859, 0.1900

Background



This preview shows how black text looks on a background with the Yxy color 21.1229, 0.3859, 0.1900.



This preview shows how white text looks on a background with the Yxy color 21.1229, 0.3859, 0.1900.

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

21.1229, 0.3859, 0.1900

Protanopia

22.1275, 0.1797, 0.1517

Deuteranopia

21.6133, 0.2578, 0.2520



Tritanopia

21.3253, 0.5348, 0.3260

Trichromacy



Original Color

21.1229, 0.3859, 0.1900



Protanomaly

14.6939, 0.2071, 0.1289



Deuteranomaly

16.2428, 0.2972, 0.1931



Tritanomaly

19.8498, 0.4893, 0.2669

Monochromacy



Original Color

21.1229, 0.3859, 0.1900



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.3464, 0.3489, 0.2182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1229, 0.3859, 0.1900 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(235, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 184)  
}
```

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(235, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 184) }
```

Border

The CSS property to change the border of an element to Yxy 21.1229, 0.3859, 0.1900 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(235, 0, 184) }
```

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

```
.border{ border-color:rgb(235, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1229, 0.3859, 0.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 184) }
```

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

```
.background{ background-color: rgb(235, 0,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor