

Converting Colors

$Yxy(20.8572, 0.3926, 0.1937)$

Have a look what the booklet for
Yxy(20.8572, 0.3926, 0.1937)
contains.

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Color

Yxy(20.9168, 0.3934, 0.1941)

Conversions

Conversions Part 1

Format	Color
Hex	EB00B3
RGB	235, 0, 179
RGB Percent	92%, 0%, 70%
CMY	0.0785, 0.9994, 0.2980
CMYK	0.00, 1.00, 0.24, 0.08
HSL	314°, 100%, 46%
HSV	314°, 100%, 92%
XYZ	42.3940, 20.9168, 44.4522
YIQ	90.6710, 82.6010, 105.4890

Conversions

Conversions Part 2

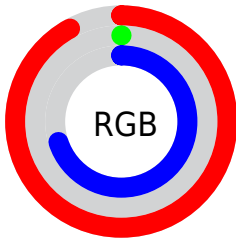
Format	Color
R_{YB}	235, 0, 179
Decimal	15401139
CIE _{Lab}	52.86, 85.22, -29.65
CIE _{LCh}	53, 90.232, 340.818
Yxy	20.9168, 0.3934, 0.1941
Android (android.graphics.Color)	4293591219 (0xFFEB00B3)
YUV	90.6710, 43.5462, 126.5765
Hunter-Lab	45.7349, 85.4246, -25.6128

Details

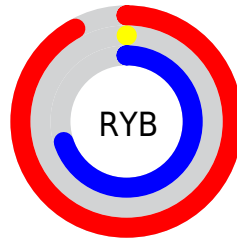
The Yxy color **20.9168, 0.3934, 0.1941** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **59.6959, 0.2931, 0.5751**, and the grayscale version is **10.2910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9935, 0.3387, 0.2011**, and **10.5050, 0.4052, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **20.9128, 0.3935, 0.1941**, and if you desaturate by 10%, it is **21.7851, 0.3842, 0.1933**.

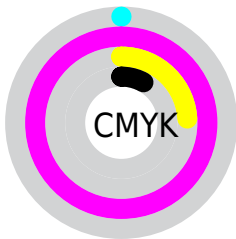
Distribution



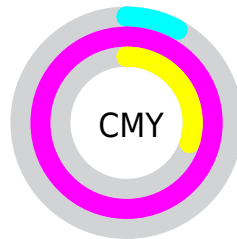
- Red (92%)
- Green (0%)
- Blue (70%)



- Red (92%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9168, 0.3934, 0.1941 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 20.9168, 0.3934, 0.1941 by changing the saturation by 10% instead.


 20.9168, 0.3934,
0.1941


 20.9168, 0.3934,
0.1941


256.8360, 0.3525,
0.2609


 13.0632, 0.4036,
0.1781


 44.9490, 0.3785,
0.2180

 7.4721, 0.4165,
0.1581


 61.8964, 0.3729,
0.2271


 3.7590, 0.4334,
0.1327


 82.6439, 0.3682,
0.2348

 1.5397, 0.4560,
0.1003

 107.5758, 0.3642,
0.2415

 0.3164, 0.4947,
0.0446

 137.0766, 0.3607,
0.2473

 0.0000, 0.5367,
0.0000

 171.5306, 0.3576,

 0.0000, 0.9772,

0.2524

0.0000

211.3223, 0.3549,
0.2569

■ 0.0000, 0.0000,
0.0000

■ 20.9168, 0.3934,
0.1941

■ 20.9168, 0.3934,
0.1941

■ 20.9128, 0.3935,
0.1941

■ 21.7851, 0.3842,
0.1933

■ 23.4323, 0.3746,
0.1969

■ 26.0997, 0.3649,
0.2051

■ 29.9296, 0.3554,
0.2177

■ 35.0413, 0.3462,
0.2335

■ 41.5397, 0.3378,
0.2516

■ 49.5184, 0.3302,
0.2710

■ 59.0630, 0.3235,
0.2908

■ 70.2527, 0.3177,
0.3103

Harmonies

Analogous

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



20.9168, 0.2375, 0.1451



20.9168, 0.3934, 0.1941



20.9168, 0.5525, 0.2654

Triad

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



20.9168, 0.3934, 0.1941



20.9168, 0.4414, 0.5539



20.9168, 0.0853, 0.1967

Complementary

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



20.9168, 0.3934, 0.1941



59.6959, 0.2931, 0.5751

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.



20.9168, 0.1111, 0.3387



20.9168, 0.3934, 0.1941



20.9168, 0.3110, 0.6359

Square

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



20.9168, 0.3934, 0.1941



20.9168, 0.5536, 0.4377



20.9168, 0.1908, 0.5543



20.9168, 0.0961, 0.1386

Rectangle

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



20.9168, 0.3934, 0.1941



20.9168, 0.6044, 0.3170



20.9168, 0.1908, 0.5543



20.9168, 0.0891, 0.2324

Sweetspot

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



20.9179, 0.3934, 0.1941



59.4007, 0.3304, 0.2706



6.8118, 0.1618, 0.0665



11.7989, 0.3335, 0.2623



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.



20.9179, 0.3934, 0.1941



25.1644, 0.3938, 0.1943



18.0196, 0.5911, 0.3030



15.2488, 0.3174, 0.3112



11.6615, 0.3921, 0.1933



0.9305, 0.3801, 0.1868

Inverse Universe

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



20.9179, 0.3934, 0.1941



25.1644, 0.3938, 0.1943



62.4016, 0.2498, 0.4191



15.2488, 0.3174, 0.3112



11.6615, 0.3921, 0.1933



0.9305, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 20.9168, 0.3934, 0.1941 looks on a white background.

Color Contrast Check

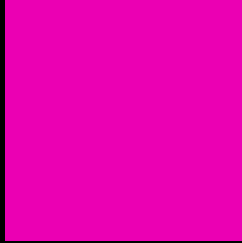
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9168, 0.3934, 0.1941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

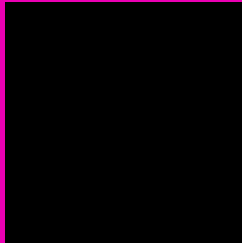
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9168, 0.3934, 0.1941

Background



This preview shows how black text looks on a background with the Yxy color 20.9168, 0.3934, 0.1941.



This preview shows how white text looks on a background with the Yxy color 20.9168, 0.3934, 0.1941.

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

20.9168, 0.3934, 0.1941

Protanopia

21.8139, 0.1796, 0.1511

Deuteranopia

21.6004, 0.2630, 0.2582



Tritanopia

21.3318, 0.5390, 0.3270

Trichromacy



Original Color

20.9168, 0.3934, 0.1941



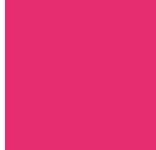
Protanomaly

14.4396, 0.2079, 0.1290



Deuteranomaly

16.2929, 0.3044, 0.1983



Tritanomaly

19.8696, 0.4958, 0.2699

Monochromacy



Original Color

20.9168, 0.3934, 0.1941



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.2958, 0.3525, 0.2211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9168, 0.3934, 0.1941 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 179) }
```

Border

The CSS property to change the border of an element to Yxy 20.9168, 0.3934, 0.1941 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, 179) }
```

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

```
.border{ border-color:rgb(235, 0, 179) }
```

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, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9168, 0.3934, 0.1941 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, 179) }
```

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

```
.background{ background-color: rgb(235, 0,  
179) }
```

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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