

Converting Colors

$Y_{xy}(23.4932, 0.3709, 0.1945)$

Have a look what the booklet for
Yxy(23.4932, 0.3709, 0.1945)
contains.

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Color

Yxy(23.5455, 0.3709, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	EB2FC1
RGB	235, 47, 193
RGB Percent	92%, 18%, 76%
CMY	0.0784, 0.8155, 0.2433
CMYK	0.00, 0.80, 0.18, 0.08
HSL	313°, 82%, 55%
HSV	313°, 80%, 92%
XYZ	44.8999, 23.5455, 52.6112
YIQ	119.8560, 65.1820, 85.2620

Conversions

Conversions Part 2

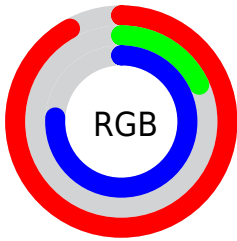
Format	Color
R _Y B	235, 47, 193
Decimal	15413185
CIE Lab	55.63, 80.66, -33.44
CIE LCh	56, 87.317, 337.481
Yxy	23.5455, 0.3709, 0.1945
Android (android.graphics.Color)	4293603265 (0xFFEB2FC1)
YUV	119.8560, 36.0600, 100.9813
Hunter-Lab	48.5237, 80.2528, -30.3178

Details

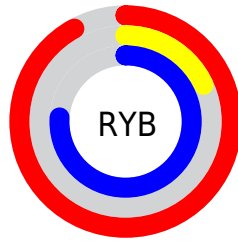
The Yxy color **23.5455, 0.3709, 0.1945** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **60.7438, 0.2895, 0.5380**, and the grayscale version is **18.6066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4236, 0.3233, 0.2022**, and **10.9780, 0.3807, 0.1871** is the 20% darker color. If you saturate the color by 10%, you get **21.9148, 0.3797, 0.1908**, and if you desaturate by 10%, it is **26.1971, 0.3619, 0.2030**.

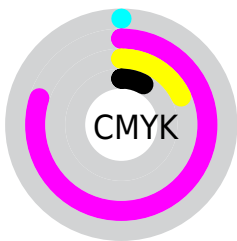
Distribution



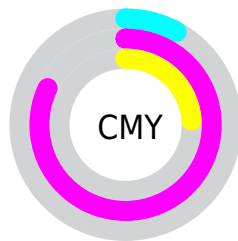
- Red (92%)
- Green (18%)
- Blue (76%)



- Red (92%)
- Yellow (18%)
- Blue (76%)



- Cyan (0%)
- Magenta (80%)
- Yellow (18%)
- Black (8%)





- Cyan (8%)
- Magenta (82%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5455, 0.3709, 0.1945 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 23.5455, 0.3709, 0.1945 by changing the saturation by 10% instead.


 23.5455, 0.3709,
0.1945


 23.5455, 0.3709,
0.1945

270.5146, 0.3429,
0.2597


 14.9968, 0.3774,
0.1792


 49.2875, 0.3611,
0.2175

 8.8172, 0.3853,
0.1603


 67.2496, 0.3573,
0.2264


 4.6221, 0.3952,
0.1365


 89.1183, 0.3540,
0.2340

 2.0273, 0.4075,
0.1063

 115.2780, 0.3512,
0.2405

 0.6233, 0.4236,
0.0660

 146.1131, 0.3488,
0.2463

 0.0000, 0.4495,
0.0000

182.0079, 0.3466,

 0.0000, 0.4300,

0.2513

0.0000

223.3470, 0.3447,
0.2558

■ 0.0000, 0.0000,
0.0000

■ 23.5455, 0.3709,
0.1945

■ 23.5455, 0.3709,
0.1945

■ 21.9148, 0.3797,
0.1908

■ 26.1971, 0.3619,
0.2030

■ 21.0592, 0.3882,
0.1912


■ 30.0083, 0.3530,
0.2157


■ 21.0581, 0.3882,
0.1912

■ 35.0998, 0.3444,
0.2318


■ 41.5765, 0.3365,
0.2502

■ 49.5320, 0.3294,
0.2699

 59.0521, 0.3230,
0.2900

 70.2159, 0.3175,
0.3099

 83.0971, 0.3127,
0.3290

 95.4889, 0.3088,
0.3437

Harmonies

Analogous

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



23.5455, 0.2294, 0.1499



23.5455, 0.3709, 0.1945



23.5455, 0.5236, 0.2625

Triad

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



23.5455, 0.3709, 0.1945



23.5455, 0.4525, 0.5328



23.5455, 0.0958, 0.2160

Complementary

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



23.5455, 0.3709, 0.1945



60.7438, 0.2895, 0.5380

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.



23.5455, 0.1278, 0.3607



23.5455, 0.3709, 0.1945



23.5455, 0.3306, 0.6129

Square

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



23.5455, 0.3709, 0.1945



23.5455, 0.5531, 0.4275



23.5455, 0.2123, 0.5539



23.5455, 0.1022, 0.1517

Rectangle

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



23.5455, 0.3709, 0.1945



23.5455, 0.5826, 0.3131



23.5455, 0.2123, 0.5539



23.5455, 0.1014, 0.2538

Sweetspot

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



23.5467, 0.3709, 0.1945



66.1243, 0.3255, 0.2817



10.0970, 0.1826, 0.0921



13.2892, 0.3278, 0.2745



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.



23.5467, 0.3709, 0.1945



25.6637, 0.3852, 0.1908



20.6236, 0.5196, 0.2851



15.2528, 0.3172, 0.3109



11.7399, 0.3869, 0.1905



0.9360, 0.3759, 0.1845

Inverse Universe

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



23.5467, 0.3709, 0.1945



25.6637, 0.3852, 0.1908



63.3882, 0.2504, 0.4038



15.2528, 0.3172, 0.3109



11.7399, 0.3869, 0.1905



0.9360, 0.3759, 0.1845

Previews

White Background



This preview shows how the Yxy color 23.5455, 0.3709, 0.1945 looks on a white background.

Color Contrast Check

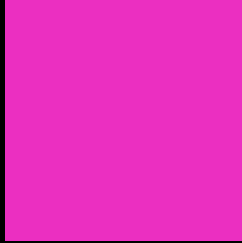
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5455, 0.3709, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

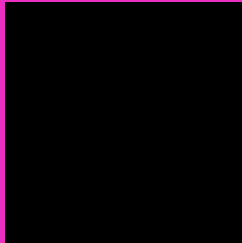
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5455, 0.3709, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 23.5455, 0.3709, 0.1945.



This preview shows how white text looks on a background with the Yxy color 23.5455, 0.3709, 0.1945.

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

23.5455, 0.3709, 0.1945

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

23.8019, 0.2540, 0.2488



Tritanopia

23.4211, 0.5040, 0.3234

Trichromacy



Original Color

23.5455, 0.3709, 0.1945



Protanomaly

19.3762, 0.2205, 0.1541



Deuteranomaly

20.4296, 0.2892, 0.2094



Tritanomaly

22.7230, 0.4581, 0.2706

Monochromacy



Original Color

23.5455, 0.3709, 0.1945



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.6167, 0.3371, 0.2466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5455, 0.3709, 0.1945 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, 47, 193)` looks like.

```
.text, #text, p{  
    color:rgb(235, 47, 193)  
}
```

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, 47, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 47, 193) }
```

Border

The CSS property to change the border of an element to Yxy 23.5455, 0.3709, 0.1945 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, 47, 193) }
```

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

```
.border{ border-color:rgb(235, 47, 193) }
```

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

Here you see how a box with a 4 pixel rgb(235, 47, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 47, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 47, 193);  
box-shadow:4px 4px 4px 4px rgb(235, 47,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5455, 0.3709, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 47, 193) }
```

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

```
.background{ background-color: rgb(235, 47,  
193) }
```

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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