

Converting Colors

$Y_{xy}(23.8278, 0.3209, 0.1550)$

Have a look what the booklet for
Yxy(23.8278, 0.3209, 0.1550)
contains.

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Color

Yxy(23.8340, 0.3209, 0.1550)

Conversions

Conversions Part 1

Format	Color
Hex	EB08EB
RGB	235, 8, 235
RGB Percent	92%, 3%, 92%
CMY	0.0784, 0.9686, 0.0785
CMYK	0.00, 0.97, 0.00, 0.08
HSL	300°, 93%, 48%
HSV	300°, 97%, 92%
XYZ	49.3441, 23.8340, 80.5897
YIQ	101.7510, 62.4250, 118.7210

Conversions

Conversions Part 2

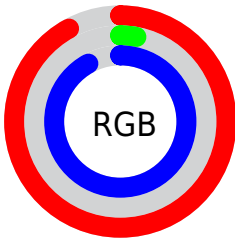
Format	Color
R _Y B	235, 8, 235
Decimal	15403243
CIE Lab	55.92, 91.85, -56.91
CIE LCh	56, 108.052, 328.217
Yxy	23.8340, 0.3209, 0.1550
Android (android.graphics.Color)	4293593323 (0xFFEB08EB)
YUV	101.7510, 65.6918, 116.8594
Hunter-Lab	48.8201, 94.9807, -63.6988

Details

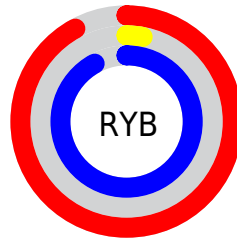
The Yxy color **23.8340, 0.3209, 0.1550** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **59.4914, 0.3001, 0.5980**, and the grayscale version is **13.0332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.2130, 0.3153, 0.1511** is the 20% darker color. If you saturate the color by 10%, you get **23.6614, 0.3209, 0.1542**, and if you desaturate by 10%, it is **24.6679, 0.3207, 0.1590**.

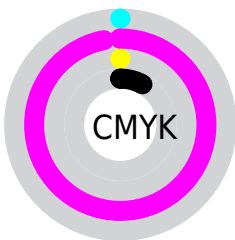
Distribution



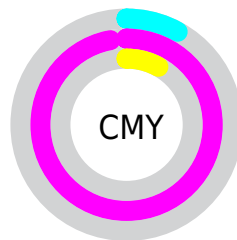
- Red (92%)
- Green (3%)
- Blue (92%)



- Red (92%)
- Yellow (3%)
- Blue (92%)



- Cyan (0%)
- Magenta (97%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (97%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8340, 0.3209, 0.1550 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 23.8340, 0.3209, 0.1550 by changing the saturation by 10% instead.


 23.8340, 0.3209,
0.1550


 23.8340, 0.3209,
0.1550


271.9802, 0.3220,
0.2338


 15.2105, 0.3192,
0.1383


 49.7592, 0.3224,
0.1815


 8.9673, 0.3163,
0.1186


 67.8297, 0.3227,
0.1921


 4.7198, 0.3112,
0.0954


 89.8180, 0.3228,
0.2013

 2.0838, 0.3025,
0.0686

 116.1084, 0.3227,
0.2094

 0.6555, 0.2871,
0.0383

 147.0855, 0.3226,
0.2166

 0.0000, 0.2610,
0.0000

183.1336, 0.3224,

 0.0000, 0.2038,


0.2230


0.0000

224.6370, 0.3222,
0.2287

 0.0000, 0.0000,
0.0000


 23.8340, 0.3209,
0.1550


 23.8340, 0.3209,
0.1550


 23.6614, 0.3209,
0.1542

 24.6679, 0.3207,
0.1590

 26.3942, 0.3203,
0.1670

 29.1823, 0.3198,
0.1794

 33.1654, 0.3190,
0.1959

 38.4574, 0.3180,
0.2159

■ 45.1588, 0.3170,
0.2385

■ 53.3606, 0.3158,
0.2629

■ 63.1457, 0.3146,
0.2879

■ 74.5913, 0.3135,
0.3129

Harmonies

Analogous

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



23.8340, 0.1763, 0.1174



23.8340, 0.3209, 0.1550



23.8340, 0.5167, 0.2217

Triad

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



23.8340, 0.3209, 0.1550



23.8340, 0.4954, 0.5046



23.8340, 0.0722, 0.2282

Complementary

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



23.8340, 0.3209, 0.1550



59.4914, 0.3001, 0.5980

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.



23.8340, 0.1161, 0.4414



23.8340, 0.3209, 0.1550



23.8340, 0.3556, 0.6421

Square

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



23.8340, 0.3209, 0.1550



23.8340, 0.6086, 0.3862



23.8340, 0.2203, 0.6650



23.8340, 0.0712, 0.1377

Rectangle

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



23.8340, 0.3209, 0.1550



23.8340, 0.6123, 0.2732



23.8340, 0.2203, 0.6650



23.8340, 0.0806, 0.2835

Sweetspot

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



23.8351, 0.3209, 0.1550



61.5477, 0.3161, 0.2566



6.2240, 0.1512, 0.0620



12.2632, 0.3166, 0.2461



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.



23.8351, 0.3209, 0.1550



28.4786, 0.3209, 0.1542



19.2304, 0.4911, 0.2496



15.3138, 0.3138, 0.3058



13.1674, 0.3209, 0.1542



1.0340, 0.3209, 0.1542

Inverse Universe

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



23.8351, 0.3209, 0.1550



28.4786, 0.3209, 0.1542



60.8667, 0.2720, 0.4973



15.3138, 0.3138, 0.3058



13.1674, 0.3209, 0.1542



1.0340, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 23.8340, 0.3209, 0.1550 looks on a white background.

Color Contrast Check

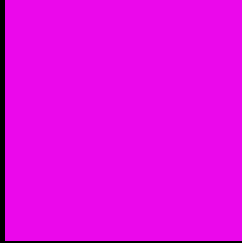
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8340, 0.3209, 0.1550 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 23.8340, 0.3209, 0.1550

Background



This preview shows how black text looks on a background with the Yxy color 23.8340, 0.3209, 0.1550.



This preview shows how white text looks on a background with the Yxy color 23.8340, 0.3209, 0.1550.

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

23.8340, 0.3209, 0.1550

Protanopia

24.5426, 0.1877, 0.1629

Deuteranopia

24.2977, 0.2072, 0.2005



Tritanopia

23.7708, 0.4818, 0.3217

Trichromacy



Original Color

23.8340, 0.3209, 0.1550



Protanomaly

17.8685, 0.2100, 0.1300



Deuteranomaly

17.9541, 0.2310, 0.1502



Tritanomaly

21.4832, 0.4243, 0.2395

Monochromacy



Original Color

23.8340, 0.3209, 0.1550



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.8203, 0.3186, 0.2027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8340, 0.3209, 0.1550 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, 8, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 8, 235)  
}
```

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, 8, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 8, 235) }
```

Border

The CSS property to change the border of an element to Yxy 23.8340, 0.3209, 0.1550 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, 8, 235) }
```

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

```
.border{ border-color:rgb(235, 8, 235) }
```

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

Here you see how a box with a 4 pixel rgb(235, 8, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 8, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 8, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 8,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8340, 0.3209, 0.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 8, 235) }
```

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

```
.background{ background-color: rgb(235, 8,  
235) }
```

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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