

Converting Colors

$Y_{xy}(39.0138, 0.3081, 0.2050)$

Have a look what the booklet for
Yxy(39.0138, 0.3081, 0.2050)
contains.

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Color

Yxy(38.9636, 0.3084, 0.2051)

Conversions

Conversions Part 1

Format	Color
Hex	EC7CF7
RGB	236, 124, 247
RGB Percent	93%, 49%, 97%
CMY	0.0745, 0.5137, 0.0314
CMYK	0.04, 0.50, 0.00, 0.03
HSL	295°, 88%, 73%
HSV	295°, 50%, 97%
XYZ	58.5879, 38.9636, 92.4222
YIQ	171.5100, 27.2690, 61.9970

Conversions

Conversions Part 2

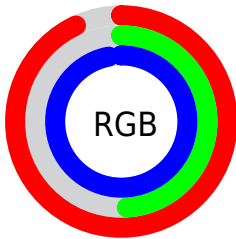
Format	Color
R _Y B	236, 124, 247
Decimal	15498487
CIE Lab	68.72, 60.33, -43.29
CIE LCh	69, 74.256, 324.341
Yxy	38.9636, 0.3084, 0.2051
Android (android.graphics.Color)	4293688567 (0xFFEC7CF7)
YUV	171.5100, 37.2166, 56.5577
Hunter-Lab	62.4208, 58.3028, -44.0920

Details

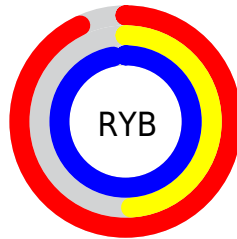
The Yxy color **38.9636, 0.3084, 0.2051** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.1230, 0.3111, 0.4851**, and the grayscale version is **40.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **17.4389, 0.3047, 0.1784** is the 20% darker color. If you saturate the color by 10%, you get **33.1550, 0.3067, 0.1844**, and if you desaturate by 10%, it is **46.3303, 0.3098, 0.2285**.

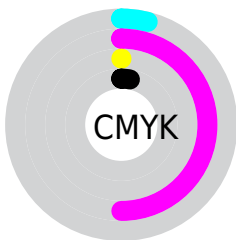
Distribution



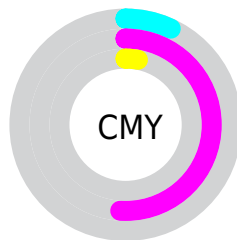
- Red (93%)
- Green (49%)
- Blue (97%)



- Red (93%)
- Yellow (49%)
- Blue (97%)



- Cyan (4%)
- Magenta (50%)
- Yellow (0%)
- Black (3%)




- Cyan (7%)
- Magenta (51%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9636, 0.3084, 0.2051 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 38.9636, 0.3084, 0.2051 by changing the saturation by 10% instead.


 38.9636, 0.3084,
0.2051


 38.9636, 0.3084,
0.2051


341.7357, 0.3130,
0.2613


 26.7314, 0.3067,
0.1928


 73.5827, 0.3105,
0.2242

 17.3716, 0.3042,
0.1779


 96.7384, 0.3112,
0.2318

 10.4998, 0.3006,
0.1597


 124.3041, 0.3117,
0.2384

 5.7316, 0.2949,
0.1371

156.6641, 0.3121,
0.2441

 2.6826, 0.2855,
0.1088

194.2029, 0.3124,
0.2492

 0.9683, 0.2691,
0.0737

237.3048, 0.3126,

 0.0000, 0.2466,

0.2537

0.0000

286.3543, 0.3128,
0.2577

■ 0.0000, 0.1339,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9636, 0.3084,
0.2051

■ 38.9636, 0.3084,
0.2051

■ 33.1550, 0.3067,
0.1844

■ 46.3303, 0.3098,
0.2285

■ 28.7814, 0.3048,
0.1673


■ 55.3559, 0.3109,
0.2535

■ 25.7095, 0.3027,
0.1545


■ 66.1385, 0.3118,
0.2793

■ 23.7789, 0.3005,
0.1462

■ 78.7673, 0.3124,
0.3048


 22.7288, 0.2982,
0.1417

 93.3252, 0.3127,
0.3295

 22.7104, 0.2981,
0.1416

 98.4198, 0.3138,
0.3367

 98.8283, 0.3151,
0.3367

 99.2415, 0.3165,
0.3367

 99.4950, 0.3173,
0.3367

Harmonies

Analogous

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



38.9636, 0.2153, 0.1779



38.9636, 0.3084, 0.2051



38.9636, 0.4222, 0.2556

Triad

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



38.9636, 0.3084, 0.2051



38.9636, 0.4714, 0.4673



38.9636, 0.1494, 0.2906

Complementary

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



38.9636, 0.3084, 0.2051



73.1230, 0.3111, 0.4851

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.



38.9636, 0.1997, 0.4140



38.9636, 0.3084, 0.2051



38.9636, 0.3848, 0.5265

Square

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



38.9636, 0.3084, 0.2051



38.9636, 0.5215, 0.3921



38.9636, 0.2862, 0.5175



38.9636, 0.1378, 0.2117

Rectangle

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



38.9636, 0.3084, 0.2051



38.9636, 0.4855, 0.2979



38.9636, 0.2862, 0.5175



38.9636, 0.1616, 0.3283

Sweetspot

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



38.9653, 0.3084, 0.2051



77.3345, 0.3121, 0.2915



28.6947, 0.2199, 0.1859



15.9510, 0.3119, 0.2861



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.



38.9653, 0.3084, 0.2051



35.4816, 0.3067, 0.1838



38.2575, 0.3673, 0.2521



16.6886, 0.3124, 0.3056



12.0440, 0.2985, 0.1418



1.0802, 0.3015, 0.1435

Inverse Universe

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



35.9387, 0.4415, 0.3178



32.0160, 0.4856, 0.3165



73.8276, 0.2820, 0.4237



16.5065, 0.3280, 0.3269



10.4972, 0.6301, 0.3245



0.9306, 0.6086, 0.3126

Previews

White Background



This preview shows how the Yxy color 38.9636, 0.3084, 0.2051 looks on a white background.

Color Contrast Check

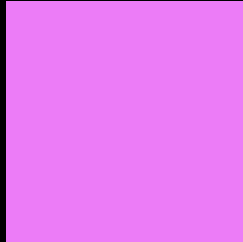
Large Text (above 18pt) WCAG AA × Fail

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 38.9636, 0.3084, 0.2051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

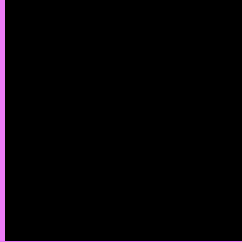
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9636, 0.3084, 0.2051

Background



This preview shows how black text looks on a background with the Yxy color 38.9636, 0.3084, 0.2051.



This preview shows how white text looks on a background with the Yxy color 38.9636, 0.3084, 0.2051.

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

38.9636, 0.3084, 0.2051

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.1672, 0.2415, 0.2353



Tritanopia

38.8394, 0.3834, 0.3161

Trichromacy



Original Color

38.9636, 0.3084, 0.2051



Protanomaly

37.6116, 0.2526, 0.2089



Deuteranomaly

37.7741, 0.2621, 0.2200



Tritanomaly

38.3886, 0.3542, 0.2699

Monochromacy



Original Color

38.9636, 0.3084, 0.2051



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.1683, 0.3115, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9636, 0.3084, 0.2051 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(236, 124, 247)` looks like.

```
.text, #text, p{  
    color:rgb(236, 124, 247)  
}
```

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(236, 124, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 124, 247) }
```

Border

The CSS property to change the border of an element to Yxy 38.9636, 0.3084, 0.2051 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(236, 124, 247) }
```

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

```
.border{ border-color:rgb(236, 124, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 124, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 124, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 124, 247);  
box-shadow:4px 4px 4px 4px rgb(236, 124,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9636, 0.3084, 0.2051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 124, 247) }
```

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

```
.background{ background-color: rgb(236,  
124, 247) }
```

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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