

Converting Colors

$Yxy(39.9098, 0.3086, 0.1986)$

Have a look what the booklet for
Yxy(39.9098, 0.3086, 0.1986)
contains.

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Color

Yxy(39.8860, 0.3088, 0.1984)

Conversions

Conversions Part 1

Format	Color
Hex	F478FF
RGB	244, 120, 255
RGB Percent	96%, 47%, 100%
CMY	0.0431, 0.5294, 0.0000
CMYK	0.04, 0.53, 0.00, 0.00
HSL	295°, 100%, 74%
HSV	295°, 53%, 100%
XYZ	62.0806, 39.8860, 99.0717
YIQ	172.4660, 30.5690, 68.2730

Conversions

Conversions Part 2

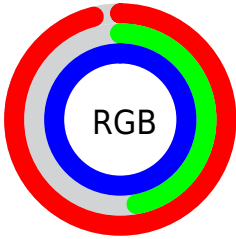
Format	Color
R _Y B	244, 120, 255
Decimal	16021759
CIE _{Lab}	69.39, 65.77, -46.58
CIE _{LCh}	69, 80.592, 324.691
Yxy	39.8860, 0.3088, 0.1984
Android (android.graphics.Color)	4294211839 (0xFFFF478FF)
YUV	172.4660, 40.6893, 62.7353
Hunter-Lab	63.1554, 64.9405, -48.7993

Details

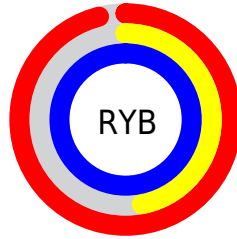
The Yxy color **39.8860, 0.3088, 0.1984** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.7004, 0.3101, 0.4968**, and the grayscale version is **41.2791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **17.9465, 0.3042, 0.1707** is the 20% darker color. If you saturate the color by 10%, you get **34.1775, 0.3073, 0.1790**, and if you desaturate by 10%, it is **47.2291, 0.3101, 0.2210**.

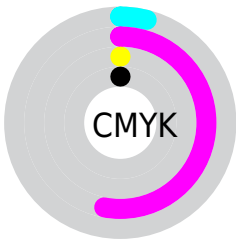
Distribution



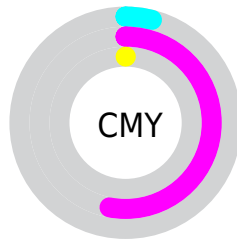
- Red (96%)
- Green (47%)
- Blue (100%)



- Red (96%)
- Yellow (47%)
- Blue (100%)



- Cyan (4%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8860, 0.3088, 0.1984 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 39.8860, 0.3088, 0.1984 by changing the saturation by 10% instead.

 39.8860, 0.3088,
0.1984


 39.8860, 0.3088,
0.1984


345.6428, 0.3135,
0.2568


 27.4497, 0.3070,
0.1858


 74.9899, 0.3110,
0.2181

 17.9112, 0.3045,
0.1708


 98.4262, 0.3117,
0.2259

 10.8863, 0.3007,
0.1525


 126.2980, 0.3122,
0.2327

 5.9904, 0.2949,
0.1301

158.9897, 0.3126,
0.2387

 2.8392, 0.2855,
0.1025

196.8856, 0.3129,
0.2440

 1.0484, 0.2694,
0.0691

240.3702, 0.3131,

 0.0000, 0.2478,

0.2488

0.0000

289.8278, 0.3133,
0.2530

■ 0.0000, 0.1708,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8860, 0.3088,
0.1984

■ 39.8860, 0.3088,
0.1984

■ 34.1775, 0.3073,
0.1790

■ 47.2291, 0.3101,
0.2210

■ 29.9742, 0.3056,
0.1634


■ 56.3284, 0.3111,
0.2455


■ 27.1214, 0.3036,
0.1522

■ 67.2899, 0.3119,
0.2711

■ 25.4330, 0.3016,
0.1454

■ 80.2125, 0.3124,
0.2968

 24.7512, 0.3001,
0.1427

 95.1877, 0.3127,
0.3218

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



39.8860, 0.2098, 0.1697



39.8860, 0.3088, 0.1984



39.8860, 0.4315, 0.2512

Triad

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



39.8860, 0.3088, 0.1984



39.8860, 0.4780, 0.4735



39.8860, 0.1393, 0.2850

Complementary

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



39.8860, 0.3088, 0.1984



77.7004, 0.3101, 0.4968

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.



39.8860, 0.1905, 0.4191



39.8860, 0.3088, 0.1984



39.8860, 0.3851, 0.5402

Square

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



39.8860, 0.3088, 0.1984



39.8860, 0.5343, 0.3932



39.8860, 0.2809, 0.5335



39.8860, 0.1285, 0.2028

Rectangle

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



39.8860, 0.3088, 0.1984



39.8860, 0.4994, 0.2953



39.8860, 0.2809, 0.5335



39.8860, 0.1514, 0.3254

Sweetspot

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



39.8849, 0.3088, 0.1984



76.0496, 0.3122, 0.2890



27.5107, 0.2127, 0.1724



15.7004, 0.3121, 0.2837



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.



39.8849, 0.3088, 0.1984



33.6650, 0.3071, 0.1771



38.8030, 0.3749, 0.2498



18.2207, 0.3125, 0.3055



12.9645, 0.3005, 0.1429



1.2837, 0.3030, 0.1443

Inverse Universe

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



36.3297, 0.4561, 0.3183



29.9015, 0.5056, 0.3176



78.6569, 0.2796, 0.4282



18.0111, 0.3282, 0.3271



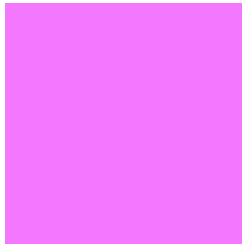
11.1450, 0.6315, 0.3252



1.0930, 0.6133, 0.3152

Previews

White Background



This preview shows how the Yxy color 39.8860, 0.3088, 0.1984 looks on a white background.

Color Contrast Check

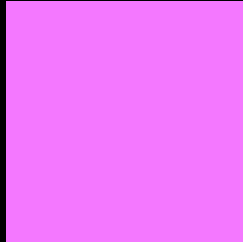
Large Text (above 18pt) WCAG AA × Fail

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 39.8860, 0.3088, 0.1984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

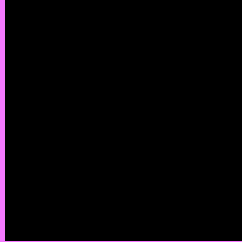
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8860, 0.3088, 0.1984

Background



This preview shows how black text looks on a background with the Yxy color 39.8860, 0.3088, 0.1984.



This preview shows how white text looks on a background with the Yxy color 39.8860, 0.3088, 0.1984.

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

39.8860, 0.3088, 0.1984

Protanopia

40.2607, 0.2317, 0.2203

Deuteranopia

40.1481, 0.2370, 0.2305



Tritanopia

39.6400, 0.3919, 0.3165

Trichromacy



Original Color

39.8860, 0.3088, 0.1984



Protanomaly

38.3798, 0.2545, 0.2075



Deuteranomaly

38.3199, 0.2584, 0.2138

Tritanomaly

39.2470, 0.3604, 0.2673

Monochromacy



Original Color

39.8860, 0.3088, 0.1984



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.0525, 0.3118, 0.2686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8860, 0.3088, 0.1984 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(244, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 120, 255)  
}
```

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(244, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.8860, 0.3088, 0.1984 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(244, 120, 255) }
```

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

```
.border{ border-color:rgb(244, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 120,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8860, 0.3088, 0.1984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 120, 255) }
```

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

```
.background{ background-color: rgb(244,  
120, 255) }
```

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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