

Converting Colors

Yxy(39.0943, 0.3184, 0.2087)

Have a look what the booklet for
Yxy(39.0943, 0.3184, 0.2087)
contains.

Yxy(38.9628, 0.3184, 0.2085)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.9628, 0.3184, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	F279F2
RGB	242, 121, 242
RGB Percent	95%, 47%, 95%
CMY	0.0507, 0.5257, 0.0509
CMYK	0.00, 0.50, 0.00, 0.05
HSL	300°, 82%, 71%
HSV	300°, 50%, 95%
XYZ	59.5000, 38.9628, 88.4091
YIQ	170.9730, 33.2750, 63.2830

Conversions

Conversions Part 2

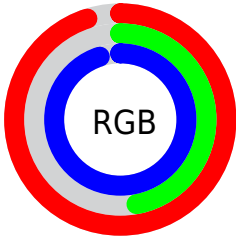
Format	Color
R _Y B	242, 121, 242
Decimal	15890930
CIE Lab	68.72, 62.53, -40.51
CIE LCh	69, 74.506, 327.065
Yxy	38.9628, 0.3184, 0.2085
Android (android.graphics.Color)	4294081010 (0xFFFF279F2)
YUV	170.9730, 35.0163, 62.2907
Hunter-Lab	62.4202, 60.9140, -40.2815

Details

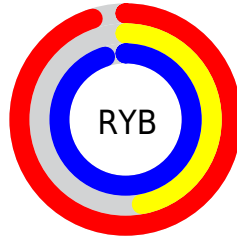
The Yxy color **38.9628, 0.3184, 0.2085** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **68.9815, 0.3052, 0.4885**, and the grayscale version is **40.5160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **17.3507, 0.3170, 0.1823** is the 20% darker color. If you saturate the color by 10%, you get **33.8033, 0.3193, 0.1896**, and if you desaturate by 10%, it is **45.6013, 0.3174, 0.2304**.

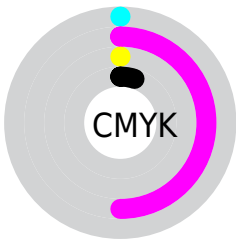
Distribution



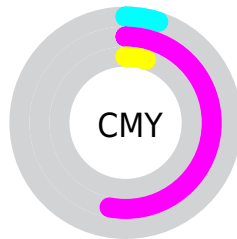
- Red (95%)
- Green (47%)
- Blue (95%)



- Red (95%)
- Yellow (47%)
- Blue (95%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (5%)





- Cyan (5%)
- Magenta (53%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9628, 0.3184, 0.2085 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 38.9628, 0.3184, 0.2085 by changing the saturation by 10% instead.


 38.9628, 0.3184,
0.2085


 38.9628, 0.3184,
0.2085


341.7323, 0.3180,
0.2634


 26.7308, 0.3179,
0.1964


 73.5815, 0.3187,
0.2272

 17.3711, 0.3170,
0.1818


 96.7370, 0.3187,
0.2346

 10.4995, 0.3153,
0.1638


 124.3024, 0.3186,
0.2410

 5.7314, 0.3122,
0.1414

156.6621, 0.3185,
0.2466

 2.6824, 0.3064,
0.1131

194.2006, 0.3184,
0.2515

 0.9683, 0.2950,
0.0777

237.3022, 0.3183,

 0.0000, 0.2809,

0.2559

0.0000

286.3513, 0.3181,
0.2598

■ 0.0000, 0.1783,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9628, 0.3184,
0.2085

■ 38.9628, 0.3184,
0.2085

■ 33.8033, 0.3193,
0.1896

■ 45.6013, 0.3174,
0.2304

■ 30.0049, 0.3200,
0.1745


■ 53.8145, 0.3162,
0.2543

■ 27.4407, 0.3205,
0.1637


■ 63.6961, 0.3151,
0.2792

■ 25.9573, 0.3208,
0.1572


■ 75.3311, 0.3139,
0.3044


 25.2981, 0.3210,
0.1542

 88.7987, 0.3127,
0.3289

 96.8224, 0.3121,
0.3417

 96.8228, 0.3121,
0.3417

 96.8232, 0.3121,
0.3417

 96.8236, 0.3121,
0.3417

Harmonies

Analogous

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



38.9628, 0.2220, 0.1789



38.9628, 0.3184, 0.2085



38.9628, 0.4324, 0.2608

Triad

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



38.9628, 0.3184, 0.2085



38.9628, 0.4649, 0.4741



38.9628, 0.1464, 0.2811

Complementary

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



38.9628, 0.3184, 0.2085



68.9815, 0.3052, 0.4885

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.



38.9628, 0.1930, 0.4023



38.9628, 0.3184, 0.2085



38.9628, 0.3761, 0.5300

Square

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



38.9628, 0.3184, 0.2085



38.9628, 0.5198, 0.3989



38.9628, 0.2772, 0.5123



38.9628, 0.1380, 0.2066

Rectangle

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



38.9628, 0.3184, 0.2085



38.9628, 0.4928, 0.3038



38.9628, 0.2772, 0.5123



38.9628, 0.1574, 0.3174

Sweetspot

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



38.9645, 0.3184, 0.2085



77.9763, 0.3145, 0.2918



24.1407, 0.2166, 0.1700



16.1074, 0.3147, 0.2865



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.



38.9645, 0.3184, 0.2085



37.9801, 0.3193, 0.1894



35.9093, 0.3815, 0.2641



16.0314, 0.3138, 0.3057



13.5829, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Inverse Universe

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



38.9645, 0.3184, 0.2085



37.9801, 0.3193, 0.1894



70.9584, 0.2759, 0.4074



16.0314, 0.3138, 0.3057



13.5829, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 38.9628, 0.3184, 0.2085 looks on a white background.

Color Contrast Check

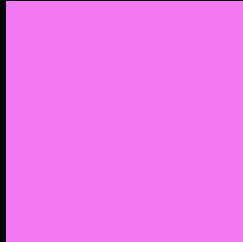
Large Text (above 18pt) WCAG AA × Fail

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 38.9628, 0.3184, 0.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

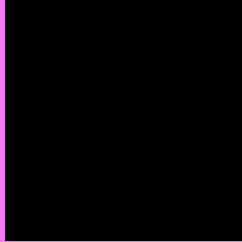
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9628, 0.3184, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 38.9628, 0.3184, 0.2085.

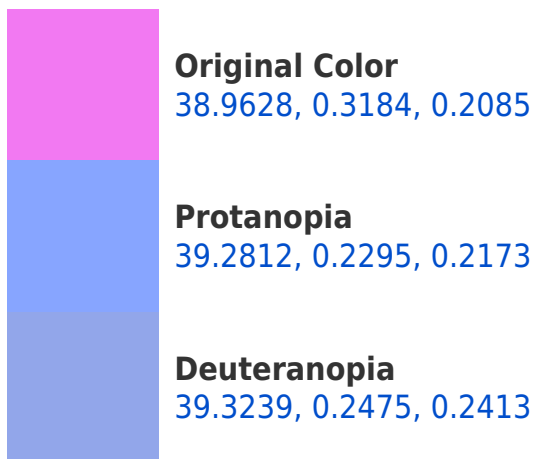


This preview shows how white text looks on a background with the Yxy color 38.9628, 0.3184, 0.2085.

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





Tritanopia

38.9338, 0.3960, 0.3177

Trichromacy



Original Color

38.9628, 0.3184, 0.2085



Protanomaly

37.3957, 0.2552, 0.2099



Deuteranomaly

37.7509, 0.2693, 0.2247



Tritanomaly

38.4929, 0.3671, 0.2734

Monochromacy



Original Color

38.9628, 0.3184, 0.2085



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.6840, 0.3153, 0.2741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9628, 0.3184, 0.2085 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(242, 121, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 121, 242)  
}
```

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(242, 121, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 121, 242) }
```

Border

The CSS property to change the border of an element to Yxy 38.9628, 0.3184, 0.2085 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(242, 121, 242) }
```

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

```
.border{ border-color:rgb(242, 121, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 121, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 121, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 121, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 121,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9628, 0.3184, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 121, 242) }
```

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

```
.background{ background-color: rgb(242,  
121, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor