

Converting Colors

$Y_{xy}(40.0932, 0.2887, 0.1834)$

Have a look what the booklet for
Yxy(40.0932, 0.2887, 0.1834)
contains.

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Color

Yxy(38.8301, 0.3035, 0.1963)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EE78FF |
| RGB | 238, 120, 255 |
| RGB Percent | 93%, 47%, 100% |
| CMY | 0.0665, 0.5295, 0.0000 |
| CMYK | 0.07, 0.53, 0.00, 0.00 |
| HSL | 292°, 100%, 74% |
| HSV | 292°, 53%, 100% |
| XYZ | 60.0353, 38.8301, 98.9446 |
| YIQ | 170.6720, 26.9930, 67.0010 |

Conversions

Conversions Part 2

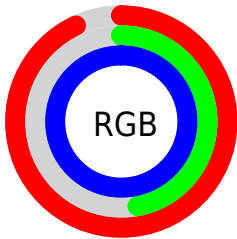
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 238, 120, 255 |
| Decimal | 15628543 |
| CIE Lab | 68.63, 64.23, -47.81 |
| CIE LCh | 69, 80.067, 323.336 |
| Yxy | 38.8301, 0.3035, 0.1963 |
| Android (android.graphics.Color) | 4293818623 (0xFFEE78FF) |
| YUV | 170.6720, 41.5737, 59.0467 |
| Hunter-Lab | 62.3138, 62.9241, -50.5236 |

Details

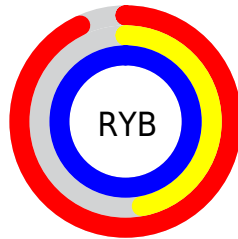
The Yxy color **38.8301, 0.3035, 0.1963** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **78.1894, 0.3132, 0.4952**, and the grayscale version is **40.3283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **17.3277, 0.2970, 0.1681** is the 20% darker color. If you saturate the color by 10%, you get **32.9444, 0.3007, 0.1759**, and if you desaturate by 10%, it is **46.3607, 0.3060, 0.2196**.

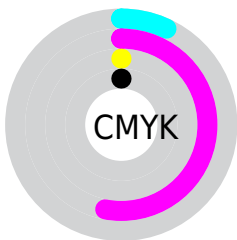
Distribution



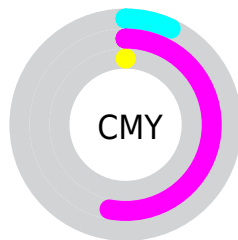
- Red (93%)
- Green (47%)
- Blue (100%)



- Red (93%)
- Yellow (47%)
- Blue (100%)



- Cyan (7%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8301, 0.3035, 0.1963 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 38.8301, 0.3035, 0.1963 by changing the saturation by 10% instead.


 38.8301, 0.3035,
0.1963


 38.8301, 0.3035,
0.1963

341.1676, 0.3108,
0.2558


 26.6276, 0.3011,
0.1835


 73.3787, 0.3066,
0.2164

 17.2937, 0.2977,
0.1681

 96.4936, 0.3077,
0.2244

 10.4441, 0.2929,
0.1495


 124.0147, 0.3085,
0.2313

 5.6944, 0.2857,
0.1266

156.3264, 0.3092,
0.2374

 2.6602, 0.2743,
0.0986

193.8132, 0.3097,
0.2428

 0.9570, 0.2553,
0.0650

236.8594, 0.3102,

 0.0000, 0.2282,

0.2476

0.0000

285.8494, 0.3105,
0.2519

0.0000, 0.1358,
0.0000

0.0000, 0.0000,
0.0000

38.8301, 0.3035,
0.1963

38.8301, 0.3035,
0.1963

32.9444, 0.3007,
0.1759

46.3607, 0.3060,
0.2196

28.5671, 0.2976,
0.1594

55.6508, 0.3082,
0.2447

25.5459, 0.2944,
0.1473

66.8089, 0.3099,
0.2707

23.6945, 0.2911,
0.1397

79.9337, 0.3114,
0.2967

■ 22.9013, 0.2888,
0.1364

■ 95.1169, 0.3125,
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.



38.8301, 0.2060, 0.1688



38.8301, 0.3035, 0.1963



38.8301, 0.4264, 0.2483

Triad

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



38.8301, 0.3035, 0.1963



38.8301, 0.4818, 0.4700



38.8301, 0.1403, 0.2900

Complementary

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



38.8301, 0.3035, 0.1963



78.1894, 0.3132, 0.4952

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.



38.8301, 0.1935, 0.4258



38.8301, 0.3035, 0.1963



38.8301, 0.3897, 0.5387

Square

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



38.8301, 0.3035, 0.1963



38.8301, 0.5359, 0.3897



38.8301, 0.2854, 0.5369



38.8301, 0.1279, 0.2051

Rectangle

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



38.8301, 0.3035, 0.1963



38.8301, 0.4961, 0.2920



38.8301, 0.2854, 0.5369



38.8301, 0.1531, 0.3312

Sweetspot

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



38.8313, 0.3035, 0.1963



75.7150, 0.3110, 0.2888



29.3837, 0.2144, 0.1806



15.6198, 0.3107, 0.2835



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.



38.8313, 0.3035, 0.1963



32.4157, 0.3004, 0.1740



39.1198, 0.3674, 0.2435



18.1778, 0.3118, 0.3054



12.0119, 0.2893, 0.1367



1.2006, 0.2931, 0.1388

Inverse Universe

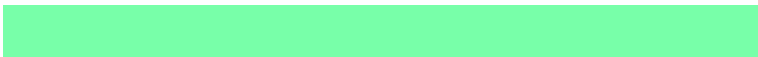
The Inverse Universe completely reimagines the original color for something new.



36.4928, 0.4489, 0.3122



30.0564, 0.4961, 0.3107



78.3946, 0.2828, 0.4371



18.0242, 0.3275, 0.3260



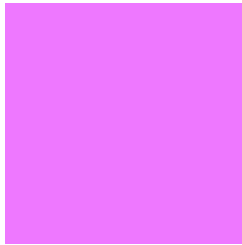
11.1749, 0.6246, 0.3214



1.0992, 0.5999, 0.3079

Previews

White Background



This preview shows how the Yxy color 38.8301, 0.3035, 0.1963 looks on a white background.

Color Contrast Check

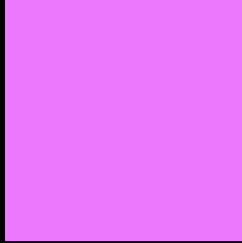
Large Text (above 18pt) WCAG AA × Fail

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 38.8301, 0.3035, 0.1963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

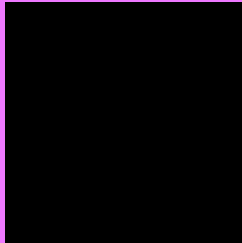
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8301, 0.3035, 0.1963

Background



This preview shows how black text looks on a background with the Yxy color 38.8301, 0.3035, 0.1963.



This preview shows how white text looks on a background with the Yxy color 38.8301, 0.3035, 0.1963.

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

38.8301, 0.3035, 0.1963

Protanopia

39.1986, 0.2290, 0.2171

Deuteranopia

39.0562, 0.2331, 0.2261



Tritanopia

38.6586, 0.3859, 0.3162

Trichromacy



Original Color

38.8301, 0.3035, 0.1963



Protanomaly

37.4855, 0.2507, 0.2051



Deuteranomaly

37.1677, 0.2537, 0.2095

Tritanomaly

38.2371, 0.3544, 0.2660

Monochromacy



Original Color

38.8301, 0.3035, 0.1963



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.3228, 0.3090, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8301, 0.3035, 0.1963 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(238, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 120, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.8301, 0.3035, 0.1963 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(238, 120, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 120,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8301, 0.3035, 0.1963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 120, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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