

Converting Colors

$Y_{xy}(38.5979, 0.2908, 0.1988)$

Have a look what the booklet for
Yxy(38.5979, 0.2908, 0.1988)
contains.

Yxy(38.7678, 0.2912, 0.1993)	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(38.7678, 0.2912, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	E081FF
RGB	224, 129, 255
RGB Percent	88%, 51%, 100%
CMY	0.1215, 0.4941, 0.0000
CMYK	0.12, 0.49, 0.00, 0.00
HSL	285°, 100%, 75%
HSV	285°, 49%, 100%
XYZ	56.6442, 38.7678, 99.1078
YIQ	171.7690, 16.1740, 59.3260

Conversions

Conversions Part 2

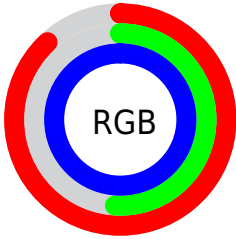
Format	Color
R _Y B	224, 129, 255
Decimal	14713343
CIE Lab	68.58, 56.19, -47.99
CIE LCh	69, 73.894, 319.497
Yxy	38.7678, 0.2912, 0.1993
Android (android.graphics.Color)	4292903423 (0xFFE081FF)
YUV	171.7690, 41.0329, 45.8066
Hunter-Lab	62.2638, 53.4278, -50.7897

Details

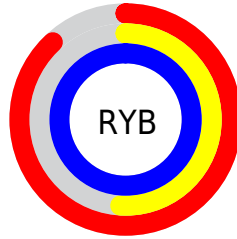
The Yxy color **38.7678, 0.2912, 0.1993** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.5764, 0.3222, 0.4789**, and the grayscale version is **40.9156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **17.2164, 0.2818, 0.1706** is the 20% darker color. If you saturate the color by 10%, you get **31.8856, 0.2850, 0.1755**, and if you desaturate by 10%, it is **47.3656, 0.2969, 0.2253**.

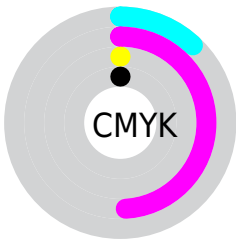
Distribution



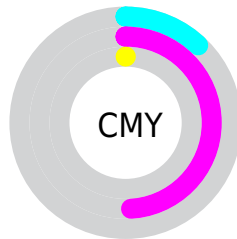
- Red (88%)
- Green (51%)
- Blue (100%)



- Red (88%)
- Yellow (51%)
- Blue (100%)



- Cyan (12%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7678, 0.2912, 0.1993 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 38.7678, 0.2912, 0.1993 by changing the saturation by 10% instead.

 38.7678, 0.2912,
0.1993


 38.7678, 0.2912,
0.1993


340.9023, 0.3043,
0.2579


 26.5791, 0.2875,
0.1865


 73.2835, 0.2963,
0.2192

 17.2574, 0.2825,
0.1712


 96.3793, 0.2982,
0.2271

 10.4182, 0.2756,
0.1525


 123.8795, 0.2997,
0.2339

 5.6771, 0.2658,
0.1296

156.1687, 0.3009,
0.2399

 2.6497, 0.2511,
0.1012

193.6312, 0.3020,
0.2452

 0.9517, 0.2276,
0.0668

236.6513, 0.3029,

 0.0000, 0.1941,

0.2499

0.0000

285.6136, 0.3036,
0.2542

0.0000, 0.0668,
0.0000

0.0000, 0.0000,
0.0000

38.7678, 0.2912,
0.1993

38.7678, 0.2912,
0.1993

31.8856, 0.2850,
0.1755

47.3656, 0.2969,
0.2253

26.5873, 0.2784,
0.1550

57.7891, 0.3019,
0.2523

22.7287, 0.2717,
0.1387

70.1441, 0.3062,
0.2793

20.1367, 0.2650,
0.1271

84.5271, 0.3099,
0.3055

■ 18.5457, 0.2586,
0.1200

100.0000, 0.3127,
0.3290

■ 18.4651, 0.2582,
0.1196

Harmonies

Analogous

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



38.7678, 0.2040, 0.1764



38.7678, 0.2912, 0.1993



38.7678, 0.4039, 0.2464

Triad

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



38.7678, 0.2912, 0.1993



38.7678, 0.4823, 0.4551



38.7678, 0.1551, 0.3084

Complementary

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



38.7678, 0.2912, 0.1993



80.5764, 0.3222, 0.4789

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.



38.7678, 0.2120, 0.4344



38.7678, 0.2912, 0.1993



38.7678, 0.4001, 0.5193

Square

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



38.7678, 0.2912, 0.1993



38.7678, 0.5237, 0.3802



38.7678, 0.3021, 0.5252



38.7678, 0.1378, 0.2214

Rectangle

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



38.7678, 0.2912, 0.1993



38.7678, 0.4719, 0.2874



38.7678, 0.3021, 0.5252



38.7678, 0.1695, 0.3482

Sweetspot

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



38.7692, 0.2912, 0.1993



76.2365, 0.3079, 0.2910



37.2010, 0.2251, 0.2106



15.6842, 0.3071, 0.2854



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.



38.7692, 0.2912, 0.1993



32.1378, 0.2853, 0.1764



42.3141, 0.3474, 0.2353



18.0622, 0.3098, 0.3053



9.7219, 0.2592, 0.1202



0.9975, 0.2666, 0.1242

Inverse Universe

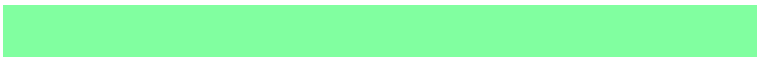
The Inverse Universe completely reimagines the original color for something new.



39.4968, 0.4172, 0.2972



33.2111, 0.4504, 0.2928



78.7423, 0.2910, 0.4476



18.0603, 0.3255, 0.3232



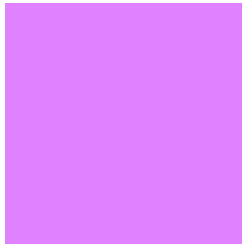
11.3143, 0.5948, 0.3050



1.1181, 0.5635, 0.2878

Previews

White Background



This preview shows how the Yxy color 38.7678, 0.2912, 0.1993 looks on a white background.

Color Contrast Check

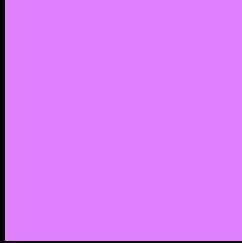
Large Text (above 18pt) WCAG AA × Fail

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 38.7678, 0.2912, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

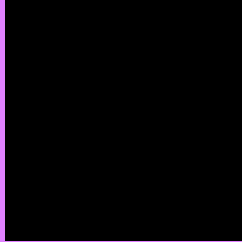
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7678, 0.2912, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 38.7678, 0.2912, 0.1993.



This preview shows how white text looks on a background with the Yxy color 38.7678, 0.2912, 0.1993.

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

38.7678, 0.2912, 0.1993

Protanopia

39.1986, 0.2290, 0.2171

Deuteranopia

38.9553, 0.2314, 0.2248



Tritanopia

38.6264, 0.3623, 0.3142

Trichromacy



Original Color

38.7678, 0.2912, 0.1993



Protanomaly

37.8920, 0.2476, 0.2075



Deuteranomaly

37.7468, 0.2486, 0.2117

Tritanomaly

38.2294, 0.3355, 0.2666

Monochromacy



Original Color

38.7678, 0.2912, 0.1993



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.1176, 0.3052, 0.2712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7678, 0.2912, 0.1993 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(224, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 129, 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(224, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 129, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.7678, 0.2912, 0.1993 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(224, 129, 255) }
```

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

```
.border{ border-color:rgb(224, 129, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 129,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7678, 0.2912, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 129, 255) }
```

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

```
.background{ background-color: rgb(224,  
129, 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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