

Converting Colors

$Y_{xy}(38.7549, 0.3024, 0.2070)$

Have a look what the booklet for
Yxy(38.7549, 0.3024, 0.2070)
contains.

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Color

Yxy(38.7502, 0.3029, 0.2071)

Conversions

Conversions Part 1

Format	Color
Hex	E580F6
RGB	229, 128, 246
RGB Percent	90%, 50%, 96%
CMY	0.1018, 0.4981, 0.0353
CMYK	0.07, 0.48, 0.00, 0.04
HSL	291°, 87%, 73%
HSV	291°, 48%, 96%
XYZ	56.6752, 38.7502, 91.6832
YIQ	171.6510, 22.3180, 58.1100

Conversions

Conversions Part 2

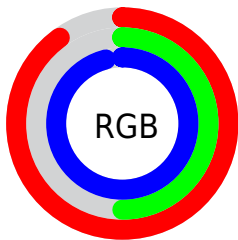
Format	Color
R _Y B	229, 128, 246
Decimal	15040758
CIE Lab	68.57, 56.32, -43.05
CIE LCh	69, 70.888, 322.606
Yxy	38.7502, 0.3029, 0.2071
Android (android.graphics.Color)	4293230838 (0xFFE580F6)
YUV	171.6510, 36.6541, 50.2951
Hunter-Lab	62.2497, 53.5784, -43.7494

Details

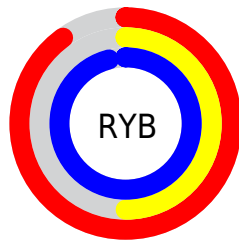
The Yxy color **38.7502, 0.3029, 0.2071** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.4868, 0.3150, 0.4770**, and the grayscale version is **40.8727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **17.2296, 0.2973, 0.1802** is the 20% darker color. If you saturate the color by 10%, you get **32.5187, 0.2997, 0.1848**, and if you desaturate by 10%, it is **46.5521, 0.3057, 0.2317**.

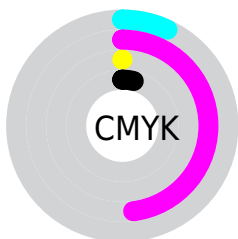
Distribution



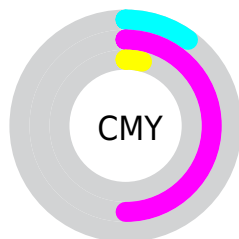
- Red (90%)
- Green (50%)
- Blue (96%)



- Red (90%)
- Yellow (50%)
- Blue (96%)



- Cyan (7%)
- Magenta (48%)
- Yellow (0%)
- Black (4%)




- Cyan (10%)
- Magenta (50%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7502, 0.3029, 0.2071 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 38.7502, 0.3029, 0.2071 by changing the saturation by 10% instead.

 38.7502, 0.3029,
0.2071


 38.7502, 0.3029,
0.2071


340.8273, 0.3101,
0.2627

 26.5655, 0.3006,
0.1948


 73.2566, 0.3059,
0.2261

 17.2471, 0.2974,
0.1800


 96.3470, 0.3070,
0.2336

 10.4109, 0.2928,
0.1618


 123.8414, 0.3078,
0.2401

 5.6722, 0.2858,
0.1391

156.1242, 0.3084,
0.2457

 2.6468, 0.2748,
0.1105

193.5798, 0.3090,
0.2507

 0.9502, 0.2561,
0.0750

236.5925, 0.3094,

 0.0000, 0.2296,

0.2552

0.0000

285.5469, 0.3098,
0.2592

■ 0.0000, 0.0874,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7502, 0.3029,
0.2071

■ 38.7502, 0.3029,
0.2071

■ 32.5187, 0.2997,
0.1848

■ 46.5521, 0.3057,
0.2317

■ 27.7383, 0.2962,
0.1659


■ 56.0225, 0.3081,
0.2576


■ 24.2805, 0.2925,
0.1511


■ 67.2572, 0.3101,
0.2837

■ 21.9918, 0.2887,
0.1409

■ 80.3432, 0.3117,
0.3093


 20.6632, 0.2850,
0.1349

 95.3620, 0.3129,
0.3339

 20.4493, 0.2842,
0.1339

 98.5454, 0.3150,
0.3377

 99.2058, 0.3172,
0.3376

 99.4340, 0.3179,
0.3376

Harmonies

Analogous

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



38.7502, 0.2149, 0.1821



38.7502, 0.3029, 0.2071



38.7502, 0.4116, 0.2551

Triad

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



38.7502, 0.3029, 0.2071



38.7502, 0.4707, 0.4598



38.7502, 0.1569, 0.2989

Complementary

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



38.7502, 0.3029, 0.2071



73.4868, 0.3150, 0.4770

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.



38.7502, 0.2085, 0.4172



38.7502, 0.3029, 0.2071



38.7502, 0.3890, 0.5167

Square

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



38.7502, 0.3029, 0.2071



38.7502, 0.5149, 0.3876



38.7502, 0.2938, 0.5113



38.7502, 0.1432, 0.2197

Rectangle

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



38.7502, 0.3029, 0.2071



38.7502, 0.4738, 0.2960



38.7502, 0.2938, 0.5113



38.7502, 0.1697, 0.3357

Sweetspot

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



38.7519, 0.3029, 0.2071



78.3392, 0.3108, 0.2939



31.7030, 0.2251, 0.1995



16.1312, 0.3104, 0.2883



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.



38.7519, 0.3029, 0.2071



35.2042, 0.2997, 0.1845



39.4205, 0.3582, 0.2490



16.6405, 0.3115, 0.3055



10.9622, 0.2848, 0.1343



0.9958, 0.2896, 0.1369

Inverse Universe

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



37.0701, 0.4266, 0.3111



33.3643, 0.4664, 0.3086



73.3769, 0.2857, 0.4274



16.5213, 0.3271, 0.3256



10.5359, 0.6208, 0.3193



0.9376, 0.5913, 0.3031

Previews

White Background



This preview shows how the Yxy color 38.7502, 0.3029, 0.2071 looks on a white background.

Color Contrast Check

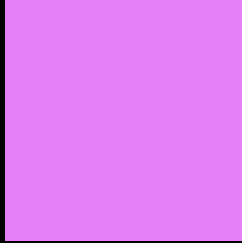
Large Text (above 18pt) WCAG AA × Fail

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 38.7502, 0.3029, 0.2071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

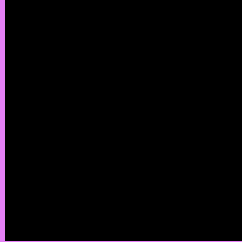
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7502, 0.3029, 0.2071

Background



This preview shows how black text looks on a background with the Yxy color 38.7502, 0.3029, 0.2071.



This preview shows how white text looks on a background with the Yxy color 38.7502, 0.3029, 0.2071.

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

38.7502, 0.3029, 0.2071

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.1672, 0.2415, 0.2353



Tritanopia

38.4696, 0.3724, 0.3145

Trichromacy



Original Color

38.7502, 0.3029, 0.2071



Protanomaly

37.9198, 0.2507, 0.2105



Deuteranomaly

37.7515, 0.2599, 0.2205



Tritanomaly

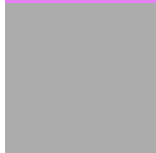
38.1835, 0.3457, 0.2708

Monochromacy



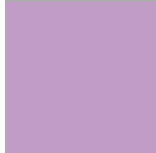
Original Color

38.7502, 0.3029, 0.2071



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.2379, 0.3097, 0.2750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7502, 0.3029, 0.2071 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(229, 128, 246)` looks like.

```
.text, #text, p{  
    color:rgb(229, 128, 246)  
}
```

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(229, 128, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 128, 246) }
```

Border

The CSS property to change the border of an element to Yxy 38.7502, 0.3029, 0.2071 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(229, 128, 246) }
```

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

```
.border{ border-color:rgb(229, 128, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 128, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 128, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 128, 246);  
box-shadow:4px 4px 4px 4px rgb(229, 128,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7502, 0.3029, 0.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 128, 246) }
```

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

```
.background{ background-color: rgb(229,  
128, 246) }
```

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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