

Converting Colors

$Y_{xy}(45.7290, 0.3118, 0.2271)$

Have a look what the booklet for
Yxy(45.7290, 0.3118, 0.2271)
contains.

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Color

Yxy(45.7369, 0.3122, 0.2272)

Conversions

Conversions Part 1

Format	Color
Hex	F092F6
RGB	240, 146, 246
RGB Percent	94%, 57%, 96%
CMY	0.0589, 0.4274, 0.0352
CMYK	0.02, 0.41, 0.00, 0.04
HSL	296°, 85%, 77%
HSV	296°, 41%, 96%
XYZ	62.8480, 45.7369, 92.7219
YIQ	185.5060, 23.9240, 51.0280

Conversions

Conversions Part 2

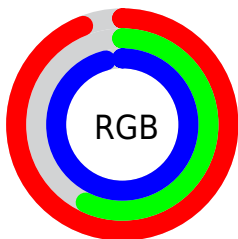
Format	Color
R _Y B	240, 146, 246
Decimal	15766262
CIE Lab	73.37, 50.36, -35.48
CIE LCh	73, 61.605, 324.840
Yxy	45.7369, 0.3122, 0.2272
Android (android.graphics.Color)	4293956342 (0xFFFF092F6)
YUV	185.5060, 29.8235, 47.7912
Hunter-Lab	67.6291, 47.5300, -33.9484

Details

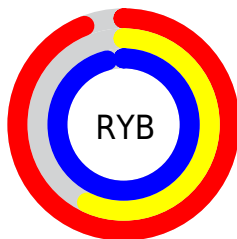
The Yxy color **45.7369, 0.3122, 0.2272** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **74.6804, 0.3103, 0.4534**, and the grayscale version is **48.6345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **21.2735, 0.3102, 0.2043** is the 20% darker color. If you saturate the color by 10%, you get **38.6935, 0.3116, 0.2045**, and if you desaturate by 10%, it is **54.4183, 0.3126, 0.2518**.

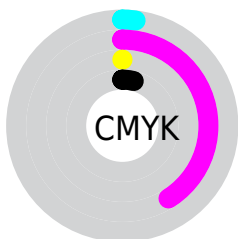
Distribution



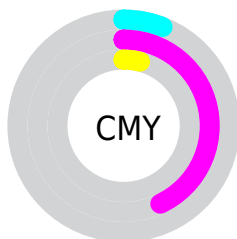
- Red (94%)
- Green (57%)
- Blue (96%)



- Red (94%)
- Yellow (57%)
- Blue (96%)



- Cyan (2%)
- Magenta (41%)
- Yellow (0%)
- Black (4%)




- Cyan (6%)
- Magenta (43%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7369, 0.3122, 0.2272 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 45.7369, 0.3122, 0.2272 by changing the saturation by 10% instead.

 45.7369, 0.3122,
0.2272

 45.7369, 0.3122,
0.2272


369.7499, 0.3141,
0.2735

 32.0383, 0.3113,
0.2170


 83.8251, 0.3132,
0.2430

 21.3907, 0.3101,
0.2045


 108.9835, 0.3135,
0.2492

 13.4099, 0.3081,
0.1891

138.7305, 0.3137,
0.2546

 7.7114, 0.3050,
0.1697

173.4506, 0.3138,
0.2593

 3.9108, 0.2997,
0.1446

213.5282, 0.3139,
0.2635

 1.6238, 0.2900,
0.1117

259.3477, 0.3140,

 0.3736, 0.2745,

0.2672

0.0562

311.2935, 0.3141,
0.2705

0.0000, 0.2212,
0.0000

0.0000, 0.0000,
0.0000

45.7369, 0.3122,
0.2272

45.7369, 0.3122,
0.2272

38.6935, 0.3116,
0.2045

54.4183, 0.3126,
0.2518

33.1764, 0.3107,
0.1847


64.8281, 0.3128,
0.2772

29.0696, 0.3096,
0.1685

77.0569, 0.3128,
0.3027


26.2376, 0.3084,
0.1567

91.1876, 0.3127,
0.3274

 24.5187, 0.3070,
0.1493


 98.0240, 0.3132,
0.3377

 23.6740, 0.3056,
0.1457

 98.2955, 0.3141,
0.3377

 98.5692, 0.3150,
0.3377

 98.8451, 0.3159,
0.3376

 99.1231, 0.3169,
0.3376

Harmonies

Analogous

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



45.7369, 0.2352, 0.2036



45.7369, 0.3122, 0.2272



45.7369, 0.4011, 0.2709

Triad

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



45.7369, 0.3122, 0.2272



45.7369, 0.4450, 0.4485



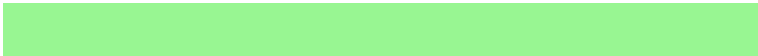
45.7369, 0.1784, 0.3004

Complementary

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



45.7369, 0.3122, 0.2272



74.6804, 0.3103, 0.4534

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.



45.7369, 0.2223, 0.3936



45.7369, 0.3122, 0.2272



45.7369, 0.3758, 0.4870

Square

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



45.7369, 0.3122, 0.2272



45.7369, 0.4817, 0.3891



45.7369, 0.2943, 0.4715



45.7369, 0.1672, 0.2350

Rectangle

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



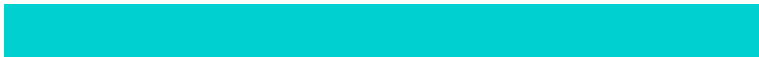
45.7369, 0.3122, 0.2272



45.7369, 0.4501, 0.3077



45.7369, 0.2943, 0.4715



45.7369, 0.1894, 0.3297

Sweetspot

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



45.7389, 0.3122, 0.2272



81.6581, 0.3128, 0.2992



35.4436, 0.2382, 0.2120



17.0897, 0.3128, 0.2959



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.



45.7389, 0.3122, 0.2272



43.0567, 0.3117, 0.2079



44.4541, 0.3572, 0.2690



16.7144, 0.3128, 0.3056



12.6562, 0.3058, 0.1458



1.1275, 0.3078, 0.1469

Inverse Universe

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



42.4258, 0.4105, 0.3227



39.0616, 0.4429, 0.3216



75.7263, 0.2846, 0.3988



16.4987, 0.3284, 0.3276



10.4826, 0.6338, 0.3265



0.9269, 0.6183, 0.3180

Previews

White Background



This preview shows how the Yxy color 45.7369, 0.3122, 0.2272 looks on a white background.

Color Contrast Check

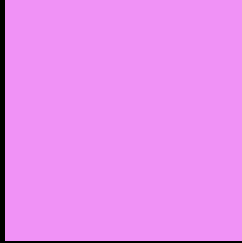
Large Text (above 18pt) WCAG AA × Fail

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 45.7369, 0.3122, 0.2272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

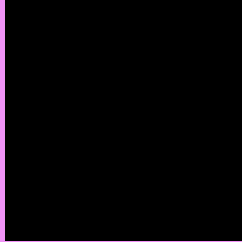
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7369, 0.3122, 0.2272

Background



This preview shows how black text looks on a background with the Yxy color 45.7369, 0.3122, 0.2272.



This preview shows how white text looks on a background with the Yxy color 45.7369, 0.3122, 0.2272.

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

45.7369, 0.3122, 0.2272

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

46.1314, 0.2589, 0.2533



Tritanopia

45.7196, 0.3669, 0.3154

Trichromacy



Original Color

45.7369, 0.3122, 0.2272



Protanomaly

44.8655, 0.2657, 0.2306



Deuteranomaly

44.8897, 0.2760, 0.2410



Tritanomaly

45.4395, 0.3469, 0.2803

Monochromacy



Original Color

45.7369, 0.3122, 0.2272



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

46.8017, 0.3130, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7369, 0.3122, 0.2272 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(240, 146, 246)` looks like.

```
.text, #text, p{  
    color:rgb(240, 146, 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(240, 146, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 146, 246) }
```

Border

The CSS property to change the border of an element to Yxy 45.7369, 0.3122, 0.2272 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(240, 146, 246) }
```

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

```
.border{ border-color:rgb(240, 146, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 146, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 146, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 146, 246);  
box-shadow:4px 4px 4px 4px rgb(240, 146,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7369, 0.3122, 0.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 146, 246) }
```

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

```
.background{ background-color: rgb(240,  
146, 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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