

Converting Colors

$Y_{xy}(59.2463, 0.3752, 0.2467)$

Have a look what the booklet for
Yxy(59.2463, 0.3752, 0.2467)
contains.

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Color

Yxy(47.3157, 0.3289, 0.2319)

Conversions

Conversions Part 1

Format	Color
Hex	FF8FF2
RGB	255, 143, 242
RGB Percent	100%, 56%, 95%
CMY	0.0000, 0.4393, 0.0509
CMYK	0.00, 0.44, 0.05, 0.00
HSL	307°, 100%, 78%
HSV	307°, 44%, 100%
XYZ	67.1071, 47.3157, 89.6121
YIQ	187.7740, 34.9730, 54.5330

Conversions

Conversions Part 2

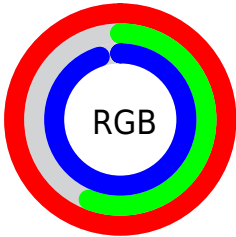
Format	Color
R _Y B	255, 143, 242
Decimal	16748530
CIE _{Lab}	74.39, 55.61, -31.58
CIE _{LCh}	74, 63.950, 330.408
Yxy	47.3157, 0.3289, 0.2319
Android (android.graphics.Color)	4294938610 (0xFFFF8FF2)
YUV	187.7740, 26.7334, 58.9572
Hunter-Lab	68.7864, 53.7660, -29.0901

Details

The Yxy color **47.3157, 0.3289, 0.2319** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.7553, 0.3001, 0.4509**, and the grayscale version is **49.9737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **22.2604, 0.3304, 0.2095** is the 20% darker color. If you saturate the color by 10%, you get **40.3271, 0.3333, 0.2125**, and if you desaturate by 10%, it is **56.0286, 0.3246, 0.2533**.

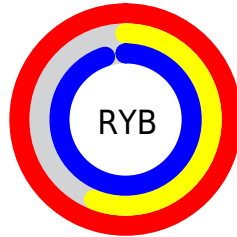
Distribution



Red (100%)

Green (56%)

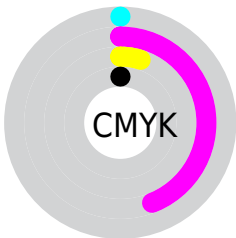
Blue (95%)



Red (100%)

Yellow (56%)

Blue (95%)

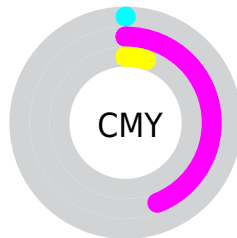


Cyan (0%)

Magenta (44%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3157, 0.3289, 0.2319 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 47.3157, 0.3289, 0.2319 by changing the saturation by 10% instead.


 47.3157, 0.3289,
0.2319


 47.3157, 0.3289,
0.2319


376.0733, 0.3226,
0.2759

 33.2853, 0.3300,
0.2222


 86.1847, 0.3270,
0.2469

 22.3451, 0.3312,
0.2104


 111.7920, 0.3261,
0.2528

 14.1107, 0.3325,
0.1957


142.0272, 0.3254,
0.2580

 8.1977, 0.3337,
0.1772

177.2745, 0.3247,
0.2624

 4.2217, 0.3345,
0.1532

217.9183, 0.3241,
0.2664

 1.7983, 0.3338,
0.1215

264.3432, 0.3236,

 0.4861, 0.3315,

0.2699

0.0717

316.9333, 0.3231,
0.2731

■ 0.0000, 0.3174,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.3157, 0.3289,
0.2319

■ 47.3157, 0.3289,
0.2319

■ 40.3271, 0.3333,
0.2125

■ 56.0286, 0.3246,
0.2533

■ 34.9707, 0.3379,
0.1962

■ 66.6014, 0.3206,
0.2757

■ 31.1029, 0.3425,
0.1838

■ 79.1243, 0.3170,
0.2983

■ 28.5677, 0.3468,
0.1758

■ 93.6898, 0.3139,
0.3205

■ 27.1742, 0.3508,
0.1724

100.0000, 0.3127,
0.3290

■ 26.7207, 0.3532,
0.1719

Harmonies

Analogous

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



47.3157, 0.2460, 0.2037



47.3157, 0.3289, 0.2319



47.3157, 0.4190, 0.2794

Triad

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



47.3157, 0.3289, 0.2319



47.3157, 0.4364, 0.4607



47.3157, 0.1709, 0.2842

Complementary

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



47.3157, 0.3289, 0.2319



79.7553, 0.3001, 0.4509

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.



47.3157, 0.2092, 0.3769



47.3157, 0.3289, 0.2319



47.3157, 0.3616, 0.4935

Square

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



47.3157, 0.3289, 0.2319



47.3157, 0.4822, 0.4015



47.3157, 0.2784, 0.4649



47.3157, 0.1655, 0.2244

Rectangle

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



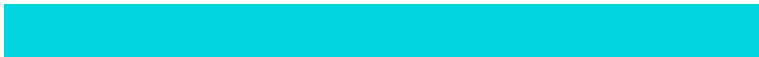
47.3157, 0.3289, 0.2319



47.3157, 0.4642, 0.3179



47.3157, 0.2784, 0.4649



47.3157, 0.1798, 0.3123

Sweetspot

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



47.3066, 0.3288, 0.2319



80.3979, 0.3167, 0.3004



33.7415, 0.2370, 0.1940



16.5709, 0.3175, 0.2955



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.



47.3066, 0.3288, 0.2319



40.9088, 0.3329, 0.2142



44.5162, 0.3816, 0.2826



18.2620, 0.3156, 0.3082



13.9766, 0.3526, 0.1716



1.3707, 0.3484, 0.1693

Inverse Universe

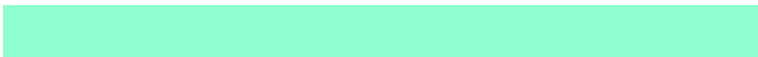
The Inverse Universe completely reimagines the original color for something new.



47.3066, 0.3288, 0.2319



40.9088, 0.3329, 0.2142



82.0191, 0.2737, 0.3822



18.2620, 0.3156, 0.3082



13.9766, 0.3526, 0.1716



1.3707, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 47.3157, 0.3289, 0.2319 looks on a white background.

Color Contrast Check

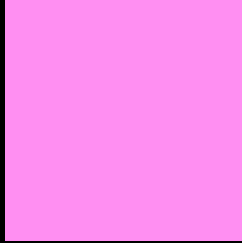
Large Text (above 18pt) WCAG AA × Fail

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 47.3157, 0.3289, 0.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

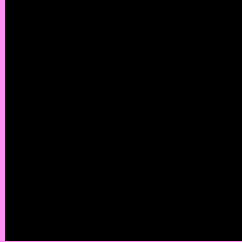
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3157, 0.3289, 0.2319

Background



This preview shows how black text looks on a background with the Yxy color 47.3157, 0.3289, 0.2319.



This preview shows how white text looks on a background with the Yxy color 47.3157, 0.3289, 0.2319.

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

47.3157, 0.3289, 0.2319

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.6393, 0.2685, 0.2623



Tritanopia

47.2914, 0.3868, 0.3172

Trichromacy



Original Color

47.3157, 0.3289, 0.2319



Protanomaly

46.1417, 0.2730, 0.2351



Deuteranomaly

46.5070, 0.2875, 0.2482



Tritanomaly

46.9077, 0.3653, 0.2836

Monochromacy



Original Color

47.3157, 0.3289, 0.2319



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.0562, 0.3182, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3157, 0.3289, 0.2319 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(255, 143, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 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(255, 143, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 242) }
```

Border

The CSS property to change the border of an element to Yxy 47.3157, 0.3289, 0.2319 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(255, 143, 242) }
```

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

```
.border{ border-color:rgb(255, 143, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3157, 0.3289, 0.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 242) }
```

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

```
.background{ background-color: rgb(255,  
143, 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](#).

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