

Converting Colors

Yxy(49.9118, 0.3105, 0.2309)

Have a look what the booklet for
Yxy(49.9118, 0.3105, 0.2309)
contains.

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Color

Yxy(49.9470, 0.3106, 0.2311)

Conversions

Conversions Part 1

Format	Color
Hex	F59BFD
RGB	245, 155, 253
RGB Percent	96%, 61%, 99%
CMY	0.0389, 0.3923, 0.0077
CMYK	0.03, 0.39, 0.00, 0.01
HSL	295°, 96%, 80%
HSV	295°, 39%, 99%
XYZ	67.1291, 49.9470, 99.0511
YIQ	193.0820, 22.1820, 49.5580

Conversions

Conversions Part 2

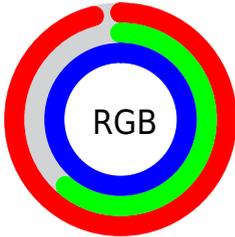
Format	Color
RYB	245, 155, 253
Decimal	16096253
CIELab	76.04, 48.56, -35.11
CIELCh	76, 59.924, 324.138
Yxy	49.9470, 0.3106, 0.2311
Android (android.graphics.Color)	4294286333 (0xFFFF59BFD)
YUV	193.0820, 29.5396, 45.5321
Hunter-Lab	70.6732, 45.8706, -33.6259

Details

The Yxy color **49.9470, 0.3106, 0.2311** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.4086, 0.3117, 0.4465**, and the grayscale version is **53.1932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **23.8577, 0.3081, 0.2094** is the 20% darker color. If you saturate the color by 10%, you get **42.0270, 0.3094, 0.2076**, and if you desaturate by 10%, it is **59.6396, 0.3115, 0.2562**.

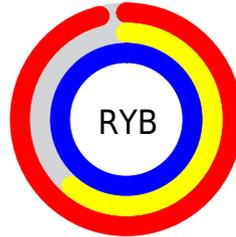
Distribution



Red (96%)

Green (61%)

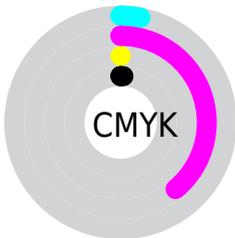
Blue (99%)



Red (96%)

Yellow (61%)

Blue (99%)

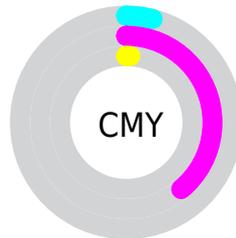


Cyan (3%)

Magenta (39%)

Yellow (0%)

Black (1%)



Cyan (4%)

Magenta (39%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9470, 0.3106, 0.2311 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 49.9470, 0.3106, 0.2311 by changing the saturation by 10% instead.

 49.9470, 0.3106,
0.2311

 49.9470, 0.3106,
0.2311

386.4586, 0.3131,
0.2751

 35.3713, 0.3097,
0.2214

 90.0963, 0.3118,
0.2461

 23.9490, 0.3083,
0.2098

 116.4388, 0.3121,
0.2520

 15.2958, 0.3063,
0.1953

147.4722, 0.3124,
0.2571

 9.0273, 0.3032,
0.1772

183.5811, 0.3126,
0.2616

 4.7590, 0.2982,
0.1539

225.1498, 0.3128,
0.2656

 2.1065, 0.2894,
0.1233

272.5627, 0.3129,

 0.6683, 0.2732,

0.2691

0.0812

326.2041, 0.3130,
0.2723

0.0000, 0.2447,
0.0000

0.0000, 0.0000,
0.0000

49.9470, 0.3106,
0.2311

49.9470, 0.3106,
0.2311

42.0270, 0.3094,
0.2076

59.6396, 0.3115,
0.2562

35.7619, 0.3080,
0.1868

71.1998, 0.3121,
0.2819

31.0302, 0.3064,
0.1695

84.7235, 0.3125,
0.3074

27.6908, 0.3045,
0.1564

99.5486, 0.3128,
0.3309

■ 25.5767, 0.3026,
0.1478

99.8734, 0.3139,
0.3309

■ 24.4462, 0.3005,
0.1432

■ 24.3351, 0.3002,
0.1428

Harmonies

Analogous

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



49.9470, 0.2378, 0.2090



49.9470, 0.3106, 0.2311



49.9470, 0.3946, 0.2728

Triad

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



49.9470, 0.3106, 0.2311



49.9470, 0.4403, 0.4425



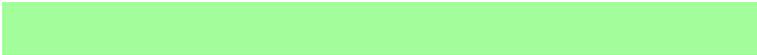
49.9470, 0.1855, 0.3045

Complementary

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



49.9470, 0.3106, 0.2311



80.4086, 0.3117, 0.4465

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.



49.9470, 0.2286, 0.3920



49.9470, 0.3106, 0.2311



49.9470, 0.3753, 0.4781

Square

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



49.9470, 0.3106, 0.2311



49.9470, 0.4733, 0.3862



49.9470, 0.2979, 0.4637



49.9470, 0.1736, 0.2412

Rectangle

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



49.9470, 0.3106, 0.2311



49.9470, 0.4411, 0.3080



49.9470, 0.2979, 0.4637



49.9470, 0.1964, 0.3323

Sweetspot

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



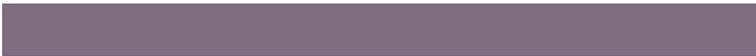
49.9492, 0.3106, 0.2311



81.5391, 0.3124, 0.2992



40.2999, 0.2424, 0.2202



17.0615, 0.3124, 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.



49.9492, 0.3106, 0.2311



44.0534, 0.3097, 0.2115



49.0789, 0.3530, 0.2701



18.2211, 0.3125, 0.3055



12.9731, 0.3006, 0.1430



1.2844, 0.3030, 0.1443

Inverse Universe

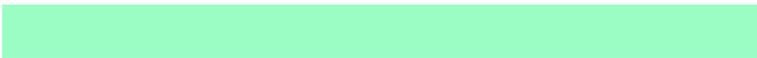
The Inverse Universe completely reimagines the original color for something new.



46.9583, 0.4020, 0.3208



40.6700, 0.4320, 0.3193



81.2083, 0.2865, 0.3971



18.0110, 0.3282, 0.3271



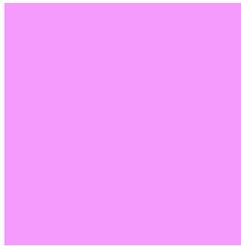
11.1448, 0.6315, 0.3253



1.0930, 0.6134, 0.3153

Previews

White Background



This preview shows how the Yxy color 49.9470, 0.3106, 0.2311 looks on a white background.

Color Contrast Check

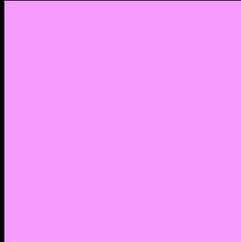
Large Text (above 18pt) WCAG AA × Fail

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 49.9470, 0.3106, 0.2311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

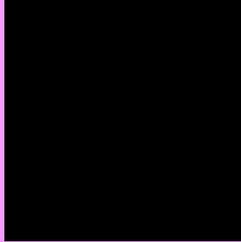
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9470, 0.3106, 0.2311

Background



This preview shows how black text looks on a background with the Yxy color 49.9470, 0.3106, 0.2311.

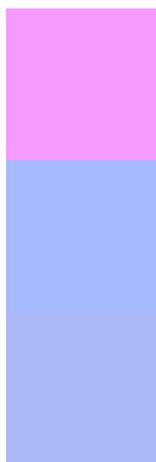


This preview shows how white text looks on a background with the Yxy color 49.9470, 0.3106, 0.2311.

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

49.9470, 0.3106, 0.2311

Protanopia

50.5533, 0.2530, 0.2481

Deuteranopia

50.2976, 0.2612, 0.2558



Tritanopia

50.0012, 0.3619, 0.3146

Trichromacy



Original Color

49.9470, 0.3106, 0.2311



Protanomaly

49.4178, 0.2712, 0.2405



Deuteranomaly

49.2538, 0.2772, 0.2448



Tritanomaly

49.8151, 0.3427, 0.2825

Monochromacy



Original Color

49.9470, 0.3106, 0.2311



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.1435, 0.3122, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9470, 0.3106, 0.2311 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(245, 155, 253)` looks like.

```
.text, #text, p{  
    color:rgb(245, 155, 253)  
}
```

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(245, 155, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 155, 253) }
```

Border

The CSS property to change the border of an element to Yxy 49.9470, 0.3106, 0.2311 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(245, 155, 253) }
```

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

```
.border{ border-color:rgb(245, 155, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 155, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 155, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 155, 253);  
box-shadow:4px 4px 4px 4px rgb(245, 155,  
253) }
```

Background

The CSS property to change the background color of an element to Yxy 49.9470, 0.3106, 0.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 155, 253) }
```

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

```
.background{ background-color: rgb(245,  
155, 253) }
```

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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