

Converting Colors

$Y_{xy}(49.1220, 0.3138, 0.2321)$

Have a look what the booklet for
Yxy(49.1220, 0.3138, 0.2321)
contains.

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Color

Yxy(49.2774, 0.3138, 0.2320)

Conversions

Conversions Part 1

Format	Color
Hex	F699FA
RGB	246, 153, 250
RGB Percent	96%, 60%, 98%
CMY	0.0354, 0.4000, 0.0195
CMYK	0.02, 0.39, 0.00, 0.02
HSL	297°, 91%, 79%
HSV	297°, 39%, 98%
XYZ	66.6519, 49.2774, 96.4733
YIQ	191.8650, 24.2910, 49.8830

Conversions

Conversions Part 2

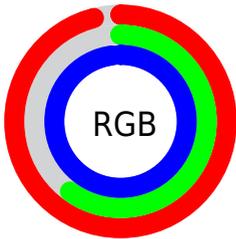
Format	Color
R _Y B	246, 153, 250
Decimal	16161274
CIE Lab	75.62, 49.29, -34.12
CIE LCh	76, 59.946, 325.305
Yxy	49.2774, 0.3138, 0.2320
Android (android.graphics.Color)	4294351354 (0xFFFF699FA)
YUV	191.8650, 28.6606, 47.4764
Hunter-Lab	70.1979, 46.6371, -32.3440

Details

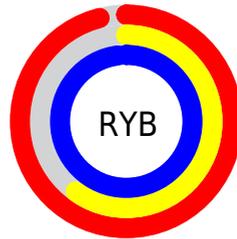
The Yxy color **49.2774, 0.3138, 0.2320** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **77.8714, 0.3095, 0.4474**, and the grayscale version is **52.4505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.4653, 0.3125, 0.2106** is the 20% darker color. If you saturate the color by 10%, you get **41.7451, 0.3137, 0.2092**, and if you desaturate by 10%, it is **58.5299, 0.3137, 0.2566**.

Distribution



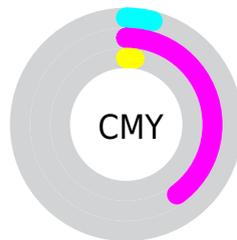
- Red (96%)
- Green (60%)
- Blue (98%)



- Red (96%)
- Yellow (60%)
- Blue (98%)



- Cyan (2%)
- Magenta (39%)
- Yellow (0%)
- Black (2%)



- Cyan (4%)
- Magenta (40%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2774, 0.3138, 0.2320 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 49.2774, 0.3138, 0.2320 by changing the saturation by 10% instead.

 49.2774, 0.3138,
0.2320

 49.2774, 0.3138,
0.2320

383.8334, 0.3148,
0.2757

 34.8396, 0.3132,
0.2224

 89.1033, 0.3144,
0.2469

 23.5393, 0.3123,
0.2107

 115.2602, 0.3146,
0.2528

 14.9922, 0.3109,
0.1963

146.0922, 0.3147,
0.2579

 8.8139, 0.3085,
0.1781

181.9838, 0.3148,
0.2623

 4.6200, 0.3045,
0.1547

223.3193, 0.3148,
0.2663

 2.0261, 0.2970,
0.1238

270.4831, 0.3148,

 0.6226, 0.2829,

0.2698

0.0800

323.8597, 0.3148,
0.2729

■ 0.0000, 0.2556,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.2774, 0.3138,
0.2320

■ 49.2774, 0.3138,
0.2320

■ 41.7451, 0.3137,
0.2092

■ 58.5299, 0.3137,
0.2566

■ 35.8185, 0.3134,
0.1891

■ 69.5946, 0.3135,
0.2820

■ 31.3797, 0.3129,
0.1726

■ 82.5650, 0.3131,
0.3073

■ 28.2914, 0.3122,
0.1604

■ 97.5259, 0.3127,
0.3319

■ 26.3914, 0.3114,
0.1526

■ 98.9731, 0.3132,
0.3338

■ 25.4428, 0.3104,
0.1487

■ 99.1682, 0.3139,
0.3338

■ 25.3562, 0.3103,
0.1483

■ 99.3643, 0.3145,
0.3337

■ 99.5615, 0.3152,
0.3337

■ 99.6846, 0.3156,
0.3337

Harmonies

Analogous

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



49.2774, 0.2398, 0.2090



49.2774, 0.3138, 0.2320



49.2774, 0.3980, 0.2744

Triad

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



49.2774, 0.3138, 0.2320



49.2774, 0.4387, 0.4448



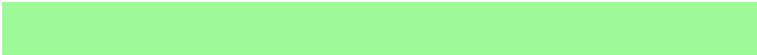
49.2774, 0.1839, 0.3012

Complementary

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



49.2774, 0.3138, 0.2320



77.8714, 0.3095, 0.4474

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.



49.2774, 0.2260, 0.3889



49.2774, 0.3138, 0.2320



49.2774, 0.3726, 0.4794

Square

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



49.2774, 0.3138, 0.2320



49.2774, 0.4736, 0.3886



49.2774, 0.2947, 0.4626



49.2774, 0.1732, 0.2390

Rectangle

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



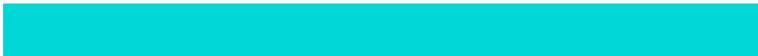
49.2774, 0.3138, 0.2320



49.2774, 0.4440, 0.3100



49.2774, 0.2947, 0.4626



49.2774, 0.1944, 0.3288

Sweetspot

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



49.2796, 0.3138, 0.2320



81.7646, 0.3132, 0.2993



38.0843, 0.2417, 0.2161



17.1150, 0.3133, 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.



49.2796, 0.3138, 0.2320



44.9112, 0.3137, 0.2130



47.5916, 0.3561, 0.2733



17.4854, 0.3131, 0.3056



13.4613, 0.3105, 0.1484



1.2579, 0.3118, 0.1491

Inverse Universe

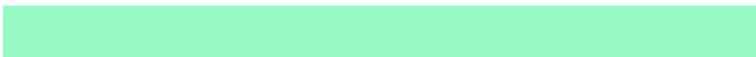
The Inverse Universe completely reimagines the original color for something new.



45.5537, 0.4060, 0.3249



40.5281, 0.4373, 0.3242



79.1856, 0.2848, 0.3931



17.2370, 0.3288, 0.3280



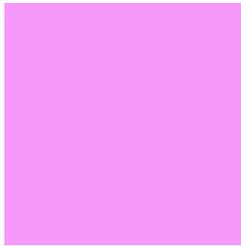
10.7978, 0.6358, 0.3276



1.0041, 0.6254, 0.3219

Previews

White Background



This preview shows how the Yxy color 49.2774, 0.3138, 0.2320 looks on a white background.

Color Contrast Check

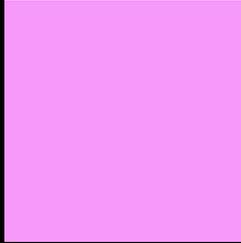
Large Text (above 18pt) WCAG AA × Fail

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 49.2774, 0.3138, 0.2320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

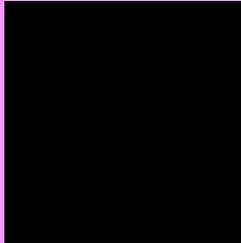
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2774, 0.3138, 0.2320

Background



This preview shows how black text looks on a background with the Yxy color 49.2774, 0.3138, 0.2320.

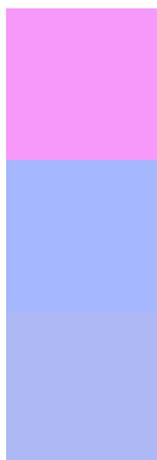


This preview shows how white text looks on a background with the Yxy color 49.2774, 0.3138, 0.2320.

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

49.2774, 0.3138, 0.2320

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.8113, 0.2635, 0.2577



Tritanopia

49.3460, 0.3651, 0.3146

Trichromacy



Original Color

49.2774, 0.3138, 0.2320



Protanomaly

48.4483, 0.2709, 0.2390



Deuteranomaly

48.8203, 0.2799, 0.2467



Tritanomaly

49.1759, 0.3457, 0.2825

Monochromacy



Original Color

49.2774, 0.3138, 0.2320



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.6419, 0.3138, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2774, 0.3138, 0.2320 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(246, 153, 250)` looks like.

```
.text, #text, p{  
    color:rgb(246, 153, 250)  
}
```

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(246, 153, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 153, 250) }
```

Border

The CSS property to change the border of an element to Yxy 49.2774, 0.3138, 0.2320 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(246, 153, 250) }
```

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

```
.border{ border-color:rgb(246, 153, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 153, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 153, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 153, 250);  
box-shadow:4px 4px 4px 4px rgb(246, 153,  
250) }
```

Background

The CSS property to change the background color of an element to Yxy 49.2774, 0.3138, 0.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 153, 250) }
```

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

```
.background{ background-color: rgb(246,  
153, 250) }
```

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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