

Converting Colors

$Y_{xy}(49.6048, 0.3099, 0.2279)$

Have a look what the booklet for
Yxy(49.6048, 0.3099, 0.2279)
contains.

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Color

Yxy(49.5953, 0.3099, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	F699FF
RGB	246, 153, 255
RGB Percent	96%, 60%, 100%
CMY	0.0350, 0.4002, 0.0000
CMYK	0.04, 0.40, 0.00, 0.00
HSL	295°, 100%, 80%
HSV	295°, 40%, 100%
XYZ	67.4696, 49.5953, 100.6493
YIQ	192.4350, 22.6860, 51.4380

Conversions

Conversions Part 2

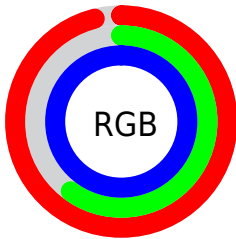
Format	Color
R _Y B	246, 153, 255
Decimal	16161279
CIE _{Lab}	75.82, 50.25, -36.52
CIE _{LCh}	76, 62.116, 323.995
Yxy	49.5953, 0.3099, 0.2278
Android (android.graphics.Color)	4294351359 (0xFFFF699FF)
YUV	192.4350, 30.8445, 46.9765
Hunter-Lab	70.4239, 47.7700, -35.4400

Details

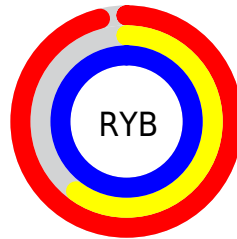
The Yxy color **49.5953, 0.3099, 0.2278** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.4881, 0.3119, 0.4508**, and the grayscale version is **52.7843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **23.6923, 0.3072, 0.2056** is the 20% darker color. If you saturate the color by 10%, you get **41.7228, 0.3086, 0.2045**, and if you desaturate by 10%, it is **59.2563, 0.3110, 0.2529**.

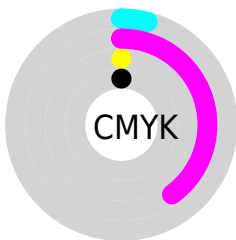
Distribution



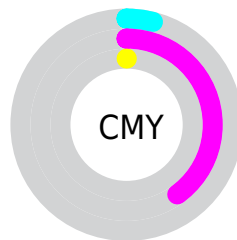
- Red (96%)
- Green (60%)
- Blue (100%)



- Red (96%)
- Yellow (60%)
- Blue (100%)



- Cyan (4%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5953, 0.3099, 0.2278 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 49.5953, 0.3099, 0.2278 by changing the saturation by 10% instead.

 49.5953, 0.3099,
0.2278


 49.5953, 0.3099,
0.2278


385.0812, 0.3129,
0.2732

 35.0919, 0.3088,
0.2179


 89.5750, 0.3112,
0.2432

 23.7337, 0.3073,
0.2059


 115.8201, 0.3117,
0.2493

 15.1362, 0.3051,
0.1912


146.7479, 0.3120,
0.2546

 8.9150, 0.3017,
0.1727

182.7428, 0.3123,
0.2592

 4.6858, 0.2962,
0.1490

224.1891, 0.3125,
0.2633

 2.0641, 0.2867,
0.1183

271.4714, 0.3126,

 0.6443, 0.2696,

0.2670

0.0760

324.9740, 0.3128,
0.2702

0.0000, 0.2389,
0.0000

0.0000, 0.0000,
0.0000

49.5953, 0.3099,
0.2278

49.5953, 0.3099,
0.2278

41.7228, 0.3086,
0.2045

59.2563, 0.3110,
0.2529

35.5235, 0.3069,
0.1839

70.8098, 0.3118,
0.2786

30.8696, 0.3051,
0.1670

84.3524, 0.3124,
0.3042

27.6145, 0.3030,
0.1544

99.9740, 0.3127,
0.3290

■ 25.5835, 0.3008,
0.1462

100.0000, 0.3127,
0.3290

■ 24.4918, 0.2986,
0.1418

Harmonies

Analogous

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



49.5953, 0.2348, 0.2052



49.5953, 0.3099, 0.2278



49.5953, 0.3972, 0.2705

Triad

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



49.5953, 0.3099, 0.2278



49.5953, 0.4446, 0.4454



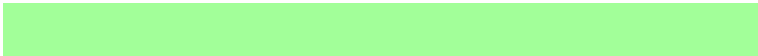
49.5953, 0.1813, 0.3035

Complementary

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



49.5953, 0.3099, 0.2278



81.4881, 0.3119, 0.4508

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.



49.5953, 0.2257, 0.3950



49.5953, 0.3099, 0.2278



49.5953, 0.3772, 0.4837

Square

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



49.5953, 0.3099, 0.2278



49.5953, 0.4792, 0.3869



49.5953, 0.2972, 0.4699



49.5953, 0.1692, 0.2381

Rectangle

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



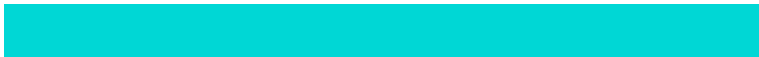
49.5953, 0.3099, 0.2278



49.5953, 0.4459, 0.3066



49.5953, 0.2972, 0.4699



49.5953, 0.1925, 0.3324

Sweetspot

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



49.5955, 0.3099, 0.2278



81.5024, 0.3123, 0.2992



40.2412, 0.2400, 0.2180



17.0528, 0.3122, 0.2958



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.



49.5955, 0.3099, 0.2278



43.1711, 0.3089, 0.2090



48.8939, 0.3532, 0.2665



18.2148, 0.3124, 0.3055



12.8310, 0.2990, 0.1421



1.2721, 0.3016, 0.1435

Inverse Universe

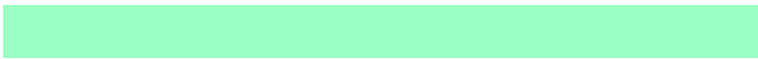
The Inverse Universe completely reimagines the original color for something new.



46.6341, 0.4056, 0.3199



39.9183, 0.4350, 0.3183



82.1734, 0.2866, 0.4019



18.0129, 0.3281, 0.3270



11.1484, 0.6306, 0.3248



1.0938, 0.6114, 0.3142

Previews

White Background



This preview shows how the Yxy color 49.5953, 0.3099, 0.2278 looks on a white background.

Color Contrast Check

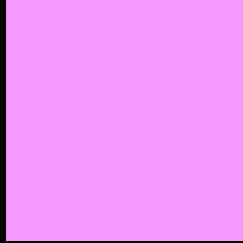
Large Text (above 18pt) WCAG AA × Fail

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 49.5953, 0.3099, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

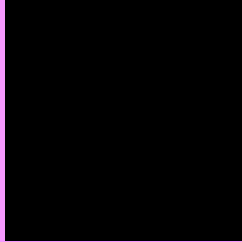
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5953, 0.3099, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 49.5953, 0.3099, 0.2278.



This preview shows how white text looks on a background with the Yxy color 49.5953, 0.3099, 0.2278.

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

49.5953, 0.3099, 0.2278

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

49.7785, 0.2586, 0.2522



Tritanopia

49.5862, 0.3630, 0.3146

Trichromacy



Original Color

49.5953, 0.3099, 0.2278



Protanomaly

48.7092, 0.2703, 0.2373



Deuteranomaly

48.8579, 0.2751, 0.2416

Tritanomaly

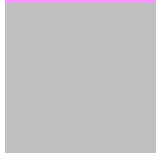
49.3231, 0.3430, 0.2794

Monochromacy



Original Color

49.5953, 0.3099, 0.2278



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.7441, 0.3122, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5953, 0.3099, 0.2278 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 153, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.5953, 0.3099, 0.2278 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, 255) }
```

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

```
.border{ border-color:rgb(246, 153, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5953, 0.3099, 0.2278 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, 255) }
```

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

```
.background{ background-color: rgb(246,  
153, 255) }
```

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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