

Converting Colors

$Y_{xy}(49.3635, 0.3057, 0.2285)$

Have a look what the booklet for
Yxy(49.3635, 0.3057, 0.2285)
contains.

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Color

Yxy(49.3635, 0.3057, 0.2285)

Conversions

Conversions Part 1

Format	Color
Hex	F19BFF
RGB	241, 155, 255
RGB Percent	95%, 61%, 100%
CMY	0.0549, 0.3921, 0.0001
CMYK	0.05, 0.39, 0.00, 0.00
HSL	292°, 100%, 80%
HSV	292°, 39%, 100%
XYZ	66.0412, 49.3635, 100.6281
YIQ	192.1140, 19.1560, 49.3320

Conversions

Conversions Part 2

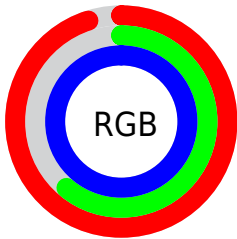
Format	Color
R _Y B	241, 155, 255
Decimal	15834111
CIE Lab	75.68, 47.70, -36.75
CIE LCh	76, 60.212, 322.387
Yxy	49.3635, 0.3057, 0.2285
Android (android.graphics.Color)	4294024191 (0xFFFF19BFF)
YUV	192.1140, 31.0028, 42.8730
Hunter-Lab	70.2592, 44.8304, -35.7362

Details

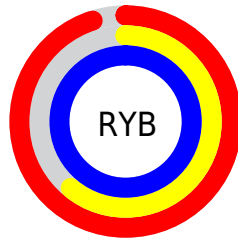
The Yxy color **49.3635, 0.3057, 0.2285** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.3009, 0.3151, 0.4469**, and the grayscale version is **52.5913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **23.6472, 0.3016, 0.2069** is the 20% darker color. If you saturate the color by 10%, you get **41.1342, 0.3029, 0.2042**, and if you desaturate by 10%, it is **59.4010, 0.3081, 0.2543**.

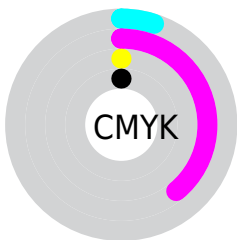
Distribution



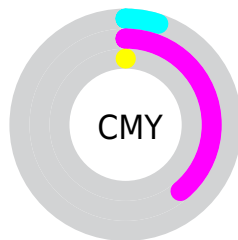
- Red (95%)
- Green (61%)
- Blue (100%)



- Red (95%)
- Yellow (61%)
- Blue (100%)



- Cyan (5%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3635, 0.3057, 0.2285 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 49.3635, 0.3057, 0.2285 by changing the saturation by 10% instead.


 49.3635, 0.3057,
0.2285


 49.3635, 0.3057,
0.2285


384.1716, 0.3106,
0.2737

 34.9079, 0.3042,
0.2186

 89.2311, 0.3077,
0.2439

 23.5920, 0.3021,
0.2066


 115.4119, 0.3084,
0.2499

 15.0312, 0.2992,
0.1919


146.2699, 0.3090,
0.2552

 8.8413, 0.2949,
0.1733

182.1895, 0.3094,
0.2598

 4.6378, 0.2881,
0.1496

223.5550, 0.3098,
0.2639

 2.0364, 0.2769,
0.1186

270.7510, 0.3101,

 0.6285, 0.2573,

0.2675

0.0756

324.1617, 0.3104,
0.2708

0.0000, 0.2207,
0.0000

0.0000, 0.0000,
0.0000

49.3635, 0.3057,
0.2285

49.3635, 0.3057,
0.2285

41.1342, 0.3029,
0.2042

59.4010, 0.3081,
0.2543

34.5927, 0.2998,
0.1823

71.3440, 0.3100,
0.2804

29.6146, 0.2964,
0.1640

85.2907, 0.3116,
0.3062

26.0550, 0.2928,
0.1498

99.9980, 0.3127,
0.3290

■ 23.7419, 0.2891,
0.1403

■ 22.4168, 0.2854,
0.1348

■ 22.3285, 0.2851,
0.1344

Harmonies

Analogous

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



49.3635, 0.2337, 0.2076



49.3635, 0.3057, 0.2285



49.3635, 0.3905, 0.2694

Triad

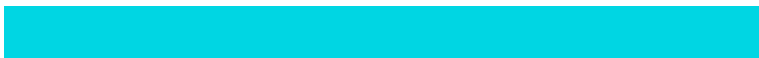
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.3635, 0.3057, 0.2285



49.3635, 0.4442, 0.4402



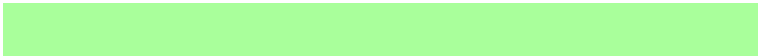
49.3635, 0.1862, 0.3089

Complementary

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



49.3635, 0.3057, 0.2285



82.3009, 0.3151, 0.4469

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.



49.3635, 0.2314, 0.3978



49.3635, 0.3057, 0.2285



49.3635, 0.3800, 0.4784

Square

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



49.3635, 0.3057, 0.2285



49.3635, 0.4752, 0.3829



49.3635, 0.3022, 0.4676



49.3635, 0.1725, 0.2432

Rectangle

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



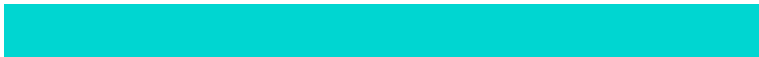
49.3635, 0.3057, 0.2285



49.3635, 0.4388, 0.3045



49.3635, 0.3022, 0.4676



49.3635, 0.1977, 0.3373

Sweetspot

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



49.3656, 0.3057, 0.2285



81.2042, 0.3112, 0.2991



42.9405, 0.2427, 0.2268



16.9822, 0.3110, 0.2957



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.



49.3656, 0.3057, 0.2285



42.8094, 0.3036, 0.2094



49.8683, 0.3474, 0.2630



18.1641, 0.3115, 0.3054



11.7199, 0.2858, 0.1348



1.1750, 0.2900, 0.1371

Inverse Universe

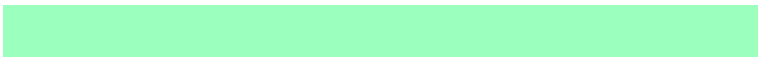
The Inverse Universe completely reimagines the original color for something new.



47.5659, 0.3975, 0.3145



40.8937, 0.4240, 0.3119



82.1878, 0.2896, 0.4064



18.0284, 0.3272, 0.3257



11.1867, 0.6219, 0.3199



1.1012, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 49.3635, 0.3057, 0.2285 looks on a white background.

Color Contrast Check

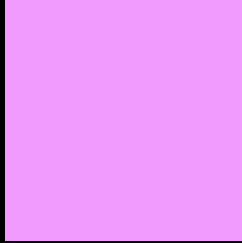
Large Text (above 18pt) WCAG AA × Fail

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 49.3635, 0.3057, 0.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

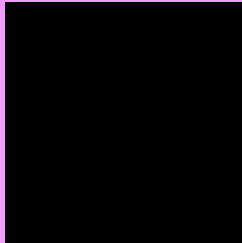
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3635, 0.3057, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 49.3635, 0.3057, 0.2285.



This preview shows how white text looks on a background with the Yxy color 49.3635, 0.3057, 0.2285.

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

49.3635, 0.3057, 0.2285

Protanopia

49.9173, 0.2516, 0.2466

Deuteranopia

49.7292, 0.2574, 0.2511



Tritanopia

49.1573, 0.3573, 0.3144

Trichromacy



Original Color

49.3635, 0.3057, 0.2285



Protanomaly

48.8296, 0.2690, 0.2380



Deuteranomaly

48.6512, 0.2730, 0.2402

Tritanomaly

49.1759, 0.3382, 0.2809

Monochromacy



Original Color

49.3635, 0.3057, 0.2285



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.8481, 0.3105, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3635, 0.3057, 0.2285 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(241, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 155, 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(241, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.3635, 0.3057, 0.2285 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(241, 155, 255) }
```

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

```
.border{ border-color:rgb(241, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3635, 0.3057, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 155, 255) }
```

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

```
.background{ background-color: rgb(241,  
155, 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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