

Converting Colors

$Y_{xy}(49.1880, 0.3049, 0.2282)$

Have a look what the booklet for
Yxy(49.1880, 0.3049, 0.2282)
contains.

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Color

Yxy(49.1880, 0.3049, 0.2282)

Conversions

Conversions Part 1

Format	Color
Hex	F09BFF
RGB	240, 155, 255
RGB Percent	94%, 61%, 100%
CMY	0.0586, 0.3922, 0.0000
CMYK	0.06, 0.39, 0.00, 0.00
HSL	291°, 100%, 80%
HSV	291°, 39%, 100%
XYZ	65.7205, 49.1880, 100.6393
YIQ	191.8150, 18.5600, 49.1200

Conversions

Conversions Part 2

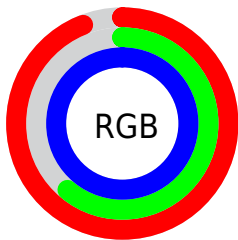
Format	Color
R _Y B	240, 155, 255
Decimal	15768575
CIE Lab	75.57, 47.45, -36.94
CIE LCh	76, 60.134, 322.095
Yxy	49.1880, 0.3049, 0.2282
Android (android.graphics.Color)	4293958655 (0xFFFF09BFF)
YUV	191.8150, 31.1502, 42.2582
Hunter-Lab	70.1342, 44.5320, -35.9845

Details

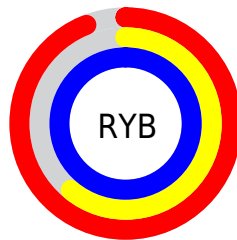
The Yxy color **49.1880, 0.3049, 0.2282** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.4229, 0.3156, 0.4467**, and the grayscale version is **52.4069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **23.5250, 0.3005, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **40.9215, 0.3019, 0.2037**, and if you desaturate by 10%, it is **59.2643, 0.3075, 0.2541**.

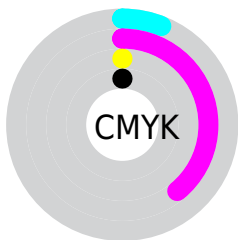
Distribution



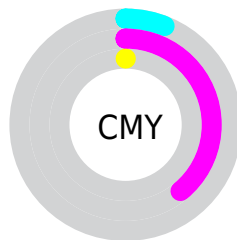
- Red (94%)
- Green (61%)
- Blue (100%)



- Red (94%)
- Yellow (61%)
- Blue (100%)



- Cyan (6%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1880, 0.3049, 0.2282 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 49.1880, 0.3049, 0.2282 by changing the saturation by 10% instead.


 49.1880, 0.3049,
0.2282


 49.1880, 0.3049,
0.2282


383.4820, 0.3102,
0.2736

 34.7686, 0.3033,
0.2183


 88.9706, 0.3071,
0.2436

 23.4847, 0.3011,
0.2062


 115.1026, 0.3078,
0.2497

 14.9518, 0.2980,
0.1914


145.9077, 0.3084,
0.2550

 8.7856, 0.2935,
0.1728

181.7702, 0.3089,
0.2596

 4.6016, 0.2865,
0.1490

223.0744, 0.3093,
0.2637

 2.0155, 0.2749,
0.1179

270.2049, 0.3097,

 0.6164, 0.2547,

0.2674

0.0746

323.5459, 0.3100,
0.2706

0.0000, 0.2164,
0.0000

0.0000, 0.0000,
0.0000

49.1880, 0.3049,
0.2282

49.1880, 0.3049,
0.2282

40.9215, 0.3019,
0.2037

59.2643, 0.3075,
0.2541

34.3449, 0.2985,
0.1817

71.2485, 0.3097,
0.2803

29.3335, 0.2948,
0.1631

85.2383, 0.3114,
0.3061

25.7424, 0.2909,
0.1488

100.0000, 0.3127,
0.3290

■ 23.3994, 0.2869,
0.1391

■ 22.0451, 0.2830,
0.1335

■ 21.9569, 0.2827,
0.1331

Harmonies

Analogous

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



49.1880, 0.2331, 0.2075



49.1880, 0.3049, 0.2282



49.1880, 0.3897, 0.2690

Triad

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



49.1880, 0.3049, 0.2282



49.1880, 0.4447, 0.4397



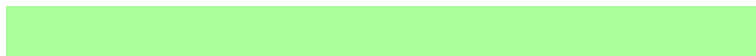
49.1880, 0.1865, 0.3097

Complementary

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



49.1880, 0.3049, 0.2282



82.4229, 0.3156, 0.4467

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.



49.1880, 0.2320, 0.3987



49.1880, 0.3049, 0.2282



49.1880, 0.3808, 0.4782

Square

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



49.1880, 0.3049, 0.2282



49.1880, 0.4752, 0.3823



49.1880, 0.3029, 0.4680



49.1880, 0.1725, 0.2437

Rectangle

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



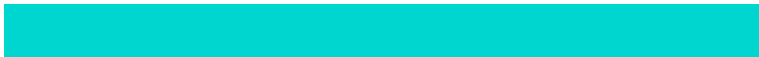
49.1880, 0.3049, 0.2282



49.1880, 0.4382, 0.3039



49.1880, 0.3029, 0.4680



49.1880, 0.1981, 0.3382

Sweetspot

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



49.1900, 0.3049, 0.2282



81.1498, 0.3110, 0.2990



42.9281, 0.2426, 0.2267



16.9693, 0.3108, 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.



49.1900, 0.3049, 0.2282



42.6107, 0.3026, 0.2090



49.8617, 0.3475, 0.2630



18.1548, 0.3114, 0.3054



11.5252, 0.2833, 0.1334



1.1579, 0.2879, 0.1359

Inverse Universe

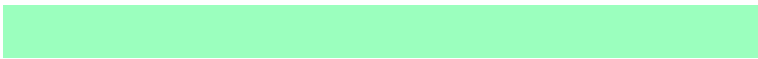
The Inverse Universe completely reimagines the original color for something new.



47.5940, 0.3966, 0.3135



40.9316, 0.4227, 0.3107



82.2032, 0.2896, 0.4064



18.0313, 0.3271, 0.3255



11.1954, 0.6199, 0.3189



1.1025, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 49.1880, 0.3049, 0.2282 looks on a white background.

Color Contrast Check

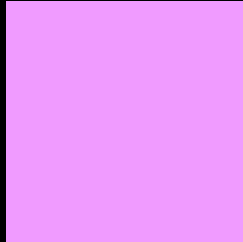
Large Text (above 18pt) WCAG AA × Fail

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 49.1880, 0.3049, 0.2282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

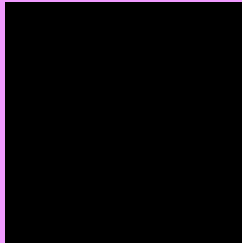
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1880, 0.3049, 0.2282

Background



This preview shows how black text looks on a background with the Yxy color 49.1880, 0.3049, 0.2282.



This preview shows how white text looks on a background with the Yxy color 49.1880, 0.3049, 0.2282.

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

49.1880, 0.3049, 0.2282

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.7292, 0.2574, 0.2511



Tritanopia

48.9913, 0.3564, 0.3143

Trichromacy



Original Color

49.1880, 0.3049, 0.2282



Protanomaly

48.3136, 0.2682, 0.2367



Deuteranomaly

48.5175, 0.2722, 0.2401

Tritanomaly

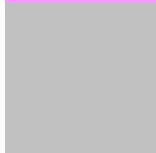
49.0061, 0.3374, 0.2807

Monochromacy



Original Color

49.1880, 0.3049, 0.2282



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.7018, 0.3097, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1880, 0.3049, 0.2282 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(240, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.1880, 0.3049, 0.2282 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(240, 155, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1880, 0.3049, 0.2282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 155, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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