

Converting Colors

$Y_{xy}(49.7342, 0.3126, 0.2275)$

Have a look what the booklet for
Yxy(49.7342, 0.3126, 0.2275)
contains.

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Color

Yxy(49.8162, 0.3124, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	F998FF
RGB	249, 152, 255
RGB Percent	98%, 60%, 100%
CMY	0.0235, 0.4039, 0.0000
CMYK	0.02, 0.40, 0.00, 0.00
HSL	297°, 100%, 80%
HSV	297°, 40%, 100%
XYZ	68.3469, 49.8162, 100.6169
YIQ	192.7450, 24.7490, 52.5970

Conversions

Conversions Part 2

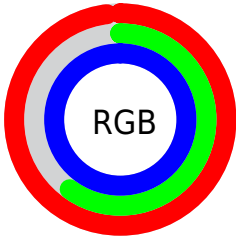
Format	Color
R _Y B	249, 152, 255
Decimal	16357631
CIE Lab	75.96, 51.59, -36.26
CIE LCh	76, 63.056, 324.897
Yxy	49.8162, 0.3124, 0.2277
Android (android.graphics.Color)	4294547711 (0xFFFF998FF)
YUV	192.7450, 30.6917, 49.3356
Hunter-Lab	70.5806, 49.3348, -35.1151

Details

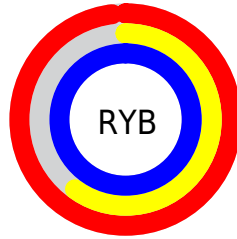
The Yxy color **49.8162, 0.3124, 0.2277** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.0523, 0.3102, 0.4528**, and the grayscale version is **52.9782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **23.8889, 0.3106, 0.2058** is the 20% darker color. If you saturate the color by 10%, you get **42.1406, 0.3118, 0.2049**, and if you desaturate by 10%, it is **59.2775, 0.3127, 0.2523**.

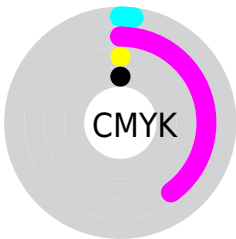
Distribution



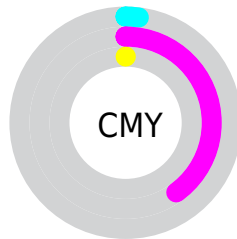
- Red (98%)
- Green (60%)
- Blue (100%)



- Red (98%)
- Yellow (60%)
- Blue (100%)



- Cyan (2%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8162, 0.3124, 0.2277 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 49.8162, 0.3124, 0.2277 by changing the saturation by 10% instead.


 49.8162, 0.3124,
0.2277

 49.8162, 0.3124,
0.2277


385.9467, 0.3142,
0.2731

 35.2674, 0.3116,
0.2178


 89.9025, 0.3133,
0.2431

 23.8689, 0.3104,
0.2059


 116.2087, 0.3136,
0.2492

 15.2364, 0.3086,
0.1912

147.2029, 0.3138,
0.2544

 8.9855, 0.3058,
0.1728

183.2695, 0.3139,
0.2591

 4.7317, 0.3011,
0.1492

224.7927, 0.3140,
0.2632

 2.0907, 0.2927,
0.1186

272.1571, 0.3141,

 0.6594, 0.2772,

0.2668

0.0769

325.7470, 0.3142,
0.2701

■ 0.0000, 0.2498,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.8162, 0.3124,
0.2277

■ 49.8162, 0.3124,
0.2277

■ 42.1406, 0.3118,
0.2049

■ 59.2775, 0.3127,
0.2523

■ 36.1288, 0.3110,
0.1851

■ 70.6226, 0.3129,
0.2778

■ 31.6547, 0.3100,
0.1689

■ 83.9506, 0.3129,
0.3033

■ 28.5707, 0.3088,
0.1571

■ 99.3516, 0.3127,
0.3281

■ 26.7007, 0.3075,
0.1496

99.9997, 0.3127,
0.3290

■ 25.7760, 0.3061,
0.1460

Harmonies

Analogous

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



49.8162, 0.2357, 0.2042



49.8162, 0.3124, 0.2277



49.8162, 0.4009, 0.2713

Triad

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



49.8162, 0.3124, 0.2277



49.8162, 0.4443, 0.4482



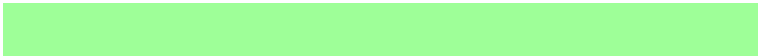
49.8162, 0.1789, 0.3005

Complementary

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



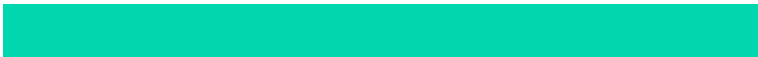
49.8162, 0.3124, 0.2277



81.0523, 0.3102, 0.4528

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.



49.8162, 0.2227, 0.3931



49.8162, 0.3124, 0.2277



49.8162, 0.3754, 0.4863

Square

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



49.8162, 0.3124, 0.2277



49.8162, 0.4809, 0.3891



49.8162, 0.2944, 0.4706



49.8162, 0.1678, 0.2354

Rectangle

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



49.8162, 0.3124, 0.2277



49.8162, 0.4495, 0.3079



49.8162, 0.2944, 0.4706



49.8162, 0.1899, 0.3296

Sweetspot

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



49.8184, 0.3124, 0.2277



81.6709, 0.3129, 0.2992



38.6461, 0.2386, 0.2126



17.0927, 0.3129, 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.



49.8184, 0.3124, 0.2277



43.8215, 0.3120, 0.2102



48.3876, 0.3570, 0.2693



18.2434, 0.3129, 0.3055



13.4922, 0.3064, 0.1461



1.3294, 0.3081, 0.1471

Inverse Universe

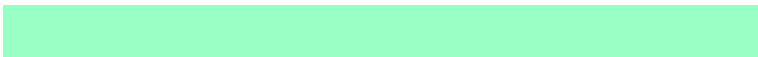
The Inverse Universe completely reimagines the original color for something new.



46.1844, 0.4101, 0.3230



39.8107, 0.4391, 0.3220



82.2074, 0.2847, 0.3984



18.0042, 0.3285, 0.3277



11.1332, 0.6342, 0.3267



1.0897, 0.6206, 0.3193

Previews

White Background



This preview shows how the Yxy color 49.8162, 0.3124, 0.2277 looks on a white background.

Color Contrast Check

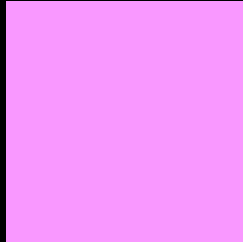
Large Text (above 18pt) WCAG AA × Fail

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 49.8162, 0.3124, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

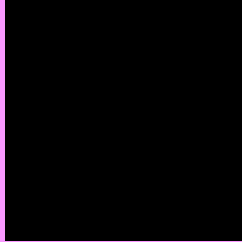
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8162, 0.3124, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 49.8162, 0.3124, 0.2277.



This preview shows how white text looks on a background with the Yxy color 49.8162, 0.3124, 0.2277.

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

49.8162, 0.3124, 0.2277

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

50.3081, 0.2594, 0.2536



Tritanopia

49.6922, 0.3670, 0.3147

Trichromacy



Original Color

49.8162, 0.3124, 0.2277



Protanomaly

48.8429, 0.2711, 0.2374



Deuteranomaly

49.1315, 0.2766, 0.2419

Tritanomaly

49.4494, 0.3467, 0.2798

Monochromacy



Original Color

49.8162, 0.3124, 0.2277



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

50.9448, 0.3123, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8162, 0.3124, 0.2277 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(249, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 152, 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(249, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 152, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.8162, 0.3124, 0.2277 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(249, 152, 255) }
```

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

```
.border{ border-color:rgb(249, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 152,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8162, 0.3124, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 152, 255) }
```

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

```
.background{ background-color: rgb(249,  
152, 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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