

Converting Colors

$Y_{xy}(49.9510, 0.3238, 0.2342)$

Have a look what the booklet for
Yxy(49.9510, 0.3238, 0.2342)
contains.

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Color

Yxy(49.7881, 0.3241, 0.2341)

Conversions

Conversions Part 1

Format	Color
Hex	FF96F7
RGB	255, 150, 247
RGB Percent	100%, 59%, 97%
CMY	0.0001, 0.4117, 0.0314
CMYK	0.00, 0.41, 0.03, 0.00
HSL	305°, 100%, 79%
HSV	305°, 41%, 100%
XYZ	68.9292, 49.7881, 93.9615
YIQ	192.4530, 31.4430, 52.4270

Conversions

Conversions Part 2

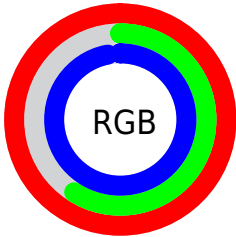
Format	Color
RYB	255, 150, 247
Decimal	16750327
CIELab	75.94, 52.93, -31.90
CIElCh	76, 61.798, 328.927
Yxy	49.7881, 0.3241, 0.2341
Android (android.graphics.Color)	4294940407 (0xFFFF96F7)
YUV	192.4530, 26.8917, 54.8537
Hunter-Lab	70.5607, 50.8916, -29.5605

Details

The Yxy color **49.7881, 0.3241, 0.2341** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.4666, 0.3028, 0.4471**, and the grayscale version is **52.8189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **23.8192, 0.3251, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **42.3984, 0.3273, 0.2135**, and if you desaturate by 10%, it is **58.9539, 0.3210, 0.2566**.

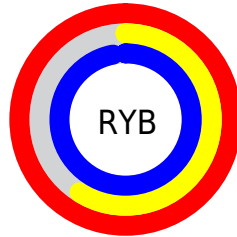
Distribution



Red (100%)

Green (59%)

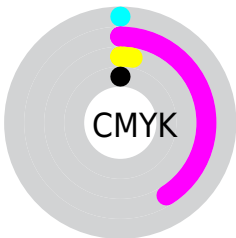
Blue (97%)



Red (100%)

Yellow (59%)

Blue (97%)

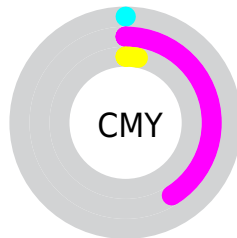


Cyan (0%)

Magenta (41%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7881, 0.3241, 0.2341 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 49.7881, 0.3241, 0.2341 by changing the saturation by 10% instead.


 49.7881, 0.3241,
0.2341


 49.7881, 0.3241,
0.2341


385.8367, 0.3201,
0.2768

 35.2451, 0.3247,
0.2247


 89.8608, 0.3230,
0.2487

 23.8517, 0.3253,
0.2133


 116.1593, 0.3224,
0.2544

 15.2237, 0.3257,
0.1992


147.1451, 0.3220,
0.2594

 8.9765, 0.3259,
0.1814

183.2025, 0.3215,
0.2637

 4.7259, 0.3253,
0.1584

224.7160, 0.3211,
0.2676

 2.0873, 0.3229,
0.1280

272.0699, 0.3208,

 0.6575, 0.3164,

0.2710

0.0853

325.6487, 0.3204,
0.2741

■ 0.0000, 0.3054,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7881, 0.3241,
0.2341

■ 49.7881, 0.3241,
0.2341

■ 42.3984, 0.3273,
0.2135

■ 58.9539, 0.3210,
0.2566

■ 36.6621, 0.3305,
0.1958

■ 69.9947, 0.3181,
0.2800

■ 32.4517, 0.3337,
0.1818

■ 83.0101, 0.3154,
0.3035

■ 29.6179, 0.3366,
0.1722

■ 98.0905, 0.3130,
0.3264

■ 27.9818, 0.3393,
0.1670

99.9975, 0.3127,
0.3290

■ 27.2877, 0.3415,
0.1655

Harmonies

Analogous

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



49.7881, 0.2458, 0.2079



49.7881, 0.3241, 0.2341



49.7881, 0.4100, 0.2793

Triad

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



49.7881, 0.3241, 0.2341



49.7881, 0.4346, 0.4533



49.7881, 0.1779, 0.2907

Complementary

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



49.7881, 0.3241, 0.2341



80.4666, 0.3028, 0.4471

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.



49.7881, 0.2168, 0.3793



49.7881, 0.3241, 0.2341



49.7881, 0.3642, 0.4848

Square

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



49.7881, 0.3241, 0.2341



49.7881, 0.4756, 0.3967



49.7881, 0.2845, 0.4602



49.7881, 0.1709, 0.2313

Rectangle

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



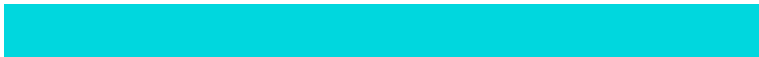
49.7881, 0.3241, 0.2341



49.7881, 0.4542, 0.3163



49.7881, 0.2845, 0.4602



49.7881, 0.1872, 0.3179

Sweetspot

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



49.7903, 0.3241, 0.2341



81.8573, 0.3156, 0.3015



36.2070, 0.2403, 0.2030



17.1370, 0.3160, 0.2985



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.



49.7903, 0.3241, 0.2341



43.8603, 0.3266, 0.2178



47.0387, 0.3719, 0.2820



18.2751, 0.3150, 0.3073



14.2701, 0.3411, 0.1653



1.3963, 0.3385, 0.1639

Inverse Universe

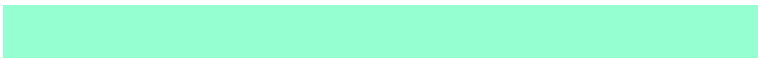
The Inverse Universe completely reimagines the original color for something new.



49.7903, 0.3241, 0.2341



43.8603, 0.3266, 0.2178



82.6257, 0.2774, 0.3826



18.2751, 0.3150, 0.3073



14.2701, 0.3411, 0.1653



1.3963, 0.3385, 0.1639

Previews

White Background



This preview shows how the Yxy color 49.7881, 0.3241, 0.2341 looks on a white background.

Color Contrast Check

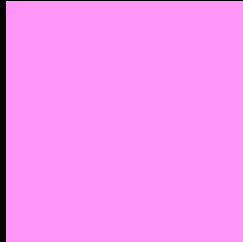
Large Text (above 18pt) WCAG AA × Fail

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 49.7881, 0.3241, 0.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

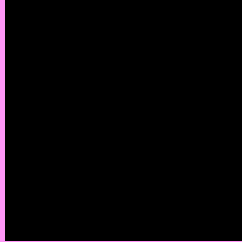
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7881, 0.3241, 0.2341

Background



This preview shows how black text looks on a background with the Yxy color 49.7881, 0.3241, 0.2341.



This preview shows how white text looks on a background with the Yxy color 49.7881, 0.3241, 0.2341.

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

49.7881, 0.3241, 0.2341

Protanopia

50.0249, 0.2522, 0.2468

Deuteranopia

50.0968, 0.2681, 0.2614



Tritanopia

49.6774, 0.3780, 0.3162

Trichromacy



Original Color

49.7881, 0.3241, 0.2341



Protanomaly

48.5391, 0.2744, 0.2395



Deuteranomaly

49.0979, 0.2865, 0.2495



Tritanomaly

49.5456, 0.3580, 0.2847

Monochromacy



Original Color

49.7881, 0.3241, 0.2341



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.6448, 0.3172, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7881, 0.3241, 0.2341 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(255, 150, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 247)  
}
```

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(255, 150, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 247) }
```

Border

The CSS property to change the border of an element to Yxy 49.7881, 0.3241, 0.2341 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(255, 150, 247) }
```

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

```
.border{ border-color:rgb(255, 150, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7881, 0.3241, 0.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 247) }
```

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

```
.background{ background-color: rgb(255,  
150, 247) }
```

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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