

Converting Colors

$Y_{xy}(49.5735, 0.3416, 0.2548)$

Have a look what the booklet for
Yxy(49.5735, 0.3416, 0.2548)
contains.

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Color

Yxy(49.5885, 0.3413, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	FF99E3
RGB	255, 153, 227
RGB Percent	100%, 60%, 89%
CMY	0.0000, 0.4000, 0.1097
CMYK	0.00, 0.40, 0.11, 0.00
HSL	316°, 100%, 80%
HSV	316°, 40%, 100%
XYZ	66.5012, 49.5885, 78.7571
YIQ	191.9340, 37.0380, 44.6380

Conversions

Conversions Part 2

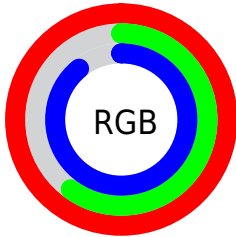
Format	Color
RYB	255, 153, 227
Decimal	16751075
CIELab	75.82, 48.12, -21.23
CIELCh	76, 52.597, 336.197
Yxy	49.5885, 0.3413, 0.2545
Android (android.graphics.Color)	4294941155 (0xFFFF99E3)
YUV	191.9340, 17.2875, 55.3089
Hunter-Lab	70.4191, 45.3354, -17.0168

Details

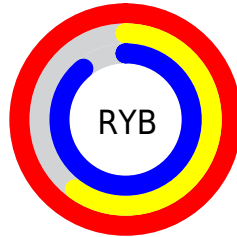
The Yxy color $49.5885, 0.3413, 0.2545$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $81.6271, 0.2931, 0.4180$, and the grayscale version is $52.5528, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $23.7343, 0.3489, 0.2377$ is the 20% darker color. If you saturate the color by 10%, you get $41.7365, 0.3511, 0.2370$, and if you desaturate by 10%, it is $59.2407, 0.3326, 0.2732$.

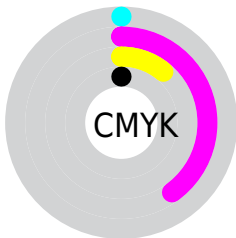
Distribution



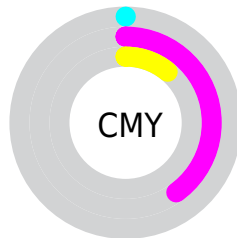
- Red (100%)
- Green (60%)
- Blue (89%)



- Red (100%)
- Yellow (60%)
- Blue (89%)



- Cyan (0%)
- Magenta (40%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5885, 0.3413, 0.2545 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 49.5885, 0.3413, 0.2545 by changing the saturation by 10% instead.

 49.5885, 0.3413,
0.2545


 49.5885, 0.3413,
0.2545


385.0545, 0.3283,
0.2889

 35.0865, 0.3442,
0.2467


 89.5649, 0.3368,
0.2664

 23.7295, 0.3477,
0.2372


 115.8081, 0.3351,
0.2710

 15.1331, 0.3521,
0.2251


146.7338, 0.3336,
0.2750

 8.9129, 0.3577,
0.2096

182.7265, 0.3323,
0.2785

 4.6844, 0.3651,
0.1889

224.1706, 0.3311,
0.2816

 2.0633, 0.3750,
0.1600

271.4503, 0.3301,

 0.6439, 0.3900,

0.2843

0.1150

324.9502, 0.3291,
0.2867

0.0000, 0.4284,
0.0000

0.0000, 0.0000,
0.0000

49.5885, 0.3413,
0.2545

49.5885, 0.3413,
0.2545

41.7365, 0.3511,
0.2370

59.2407, 0.3326,
0.2732

35.5683, 0.3617,
0.2218

70.7961, 0.3249,
0.2922

30.9561, 0.3730,
0.2099

84.3520, 0.3183,
0.3110

27.7533, 0.3846,
0.2024

99.9983, 0.3127,
0.3290

■ 25.7850, 0.3960,
0.1997

100.0000, 0.3127,
0.3290

■ 24.7655, 0.4070,
0.2016

Harmonies

Analogous

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



49.5885, 0.2702, 0.2266



49.5885, 0.3413, 0.2545



49.5885, 0.4111, 0.2981

Triad

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



49.5885, 0.3413, 0.2545



49.5885, 0.4068, 0.4470



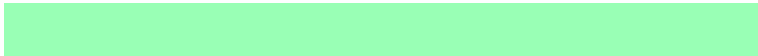
49.5885, 0.1910, 0.2825

Complementary

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



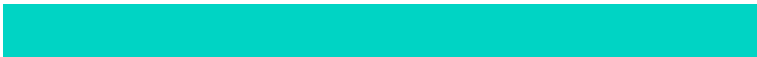
49.5885, 0.3413, 0.2545



81.6271, 0.2931, 0.4180

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.



49.5885, 0.2194, 0.3532



49.5885, 0.3413, 0.2545



49.5885, 0.3427, 0.4607

Square

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



49.5885, 0.3413, 0.2545



49.5885, 0.4485, 0.4034



49.5885, 0.2740, 0.4253



49.5885, 0.1909, 0.2370

Rectangle

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



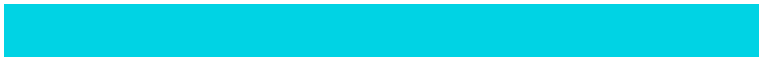
49.5885, 0.3413, 0.2545



49.5885, 0.4429, 0.3323



49.5885, 0.2740, 0.4253



49.5885, 0.1973, 0.3039

Sweetspot

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



49.5891, 0.3413, 0.2545



81.4778, 0.3196, 0.3073



39.7287, 0.2573, 0.2116



17.0472, 0.3204, 0.3049



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.



49.5891, 0.3413, 0.2545



43.1692, 0.3490, 0.2404



47.2079, 0.3902, 0.3042



18.2104, 0.3180, 0.3119



12.9670, 0.4053, 0.2006



1.2810, 0.3934, 0.1941

Inverse Universe

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



49.5891, 0.3413, 0.2545



43.1692, 0.3490, 0.2404



84.0729, 0.2684, 0.3562



18.2104, 0.3180, 0.3119



12.9670, 0.4053, 0.2006



1.2810, 0.3934, 0.1941

Previews

White Background



This preview shows how the Yxy color 49.5885, 0.3413, 0.2545 looks on a white background.

Color Contrast Check

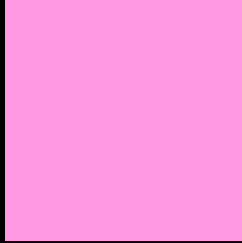
Large Text (above 18pt) WCAG AA × Fail

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 49.5885, 0.3413, 0.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

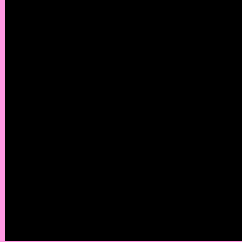
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5885, 0.3413, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 49.5885, 0.3413, 0.2545.



This preview shows how white text looks on a background with the Yxy color 49.5885, 0.3413, 0.2545.

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

49.5885, 0.3413, 0.2545

Protanopia

50.0351, 0.2569, 0.2522

Deuteranopia

49.9597, 0.2885, 0.2821



Tritanopia

49.4687, 0.3823, 0.3152

Trichromacy



Original Color

49.5885, 0.3413, 0.2545



Protanomaly

48.5773, 0.2826, 0.2506



Deuteranomaly

49.0330, 0.3062, 0.2698



Tritanomaly

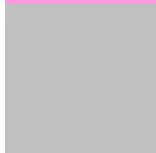
49.2456, 0.3667, 0.2911

Monochromacy



Original Color

49.5885, 0.3413, 0.2545



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.6956, 0.3227, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5885, 0.3413, 0.2545 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, 153, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 227)  
}
```

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, 153, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 227) }
```

Border

The CSS property to change the border of an element to Yxy 49.5885, 0.3413, 0.2545 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, 153, 227) }
```

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

```
.border{ border-color:rgb(255, 153, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5885, 0.3413, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 227) }
```

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

```
.background{ background-color: rgb(255,  
153, 227) }
```

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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