

# Converting Colors

Yxy(67.9650, 0.4124, 0.2713)

Have a look what the booklet for  
Yxy(67.9650, 0.4124, 0.2713)  
contains.

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# Color

**Yxy(48.5089, 0.3435, 0.2535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF96E1
RGB	255, 150, 225
RGB Percent	100%, 59%, 88%
CMY	0.0000, 0.4117, 0.1177
CMYK	0.00, 0.41, 0.12, 0.00
HSL	317°, 100%, 79%
HSV	317°, 41%, 100%
XYZ	65.7310, 48.5089, 77.1167
YIQ	189.9450, 38.5050, 45.5850

# Conversions

## Conversions Part 2

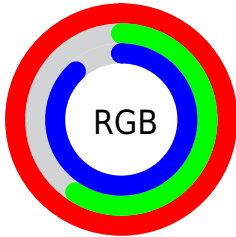
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 150, 225
Decimal	16750305
CIE Lab	75.14, 49.30, -21.13
CIE LCh	75, 53.633, 336.798
Yxy	48.5089, 0.3435, 0.2535
Android (android.graphics.Color)	4294940385 (0xFFFF96E1)
YUV	189.9450, 17.2821, 57.0532
Hunter-Lab	69.6483, 46.5758, -16.8938

# Details

The Yxy color **48.5089, 0.3435, 0.2535** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.2947, 0.2920, 0.4195**, and the grayscale version is **51.3432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **23.0038, 0.3495, 0.2350** is the 20% darker color. If you saturate the color by 10%, you get **40.8491, 0.3538, 0.2365**, and if you desaturate by 10%, it is **57.9606, 0.3343, 0.2719**.

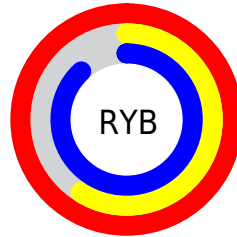
# Distribution



Red (100%)

Green (59%)

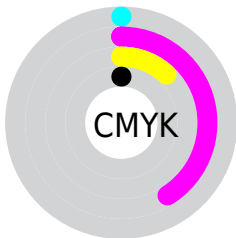
Blue (88%)



Red (100%)

Yellow (59%)

Blue (88%)

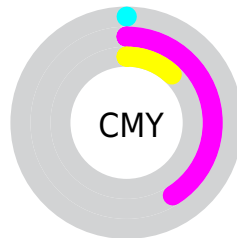


Cyan (0%)

Magenta (41%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (41%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5089, 0.3435, 0.2535 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 48.5089, 0.3435, 0.2535 by changing the saturation by 10% instead.





 48.5089, 0.3435,  
0.2535


 48.5089, 0.3435,  
0.2535


380.8058, 0.3294,  
0.2884

 34.2301, 0.3467,  
0.2456


 87.9616, 0.3386,  
0.2656

 23.0704, 0.3505,  
0.2358


 113.9043, 0.3367,  
0.2703

 14.6455, 0.3554,  
0.2235


144.5037, 0.3351,  
0.2744

 8.5710, 0.3616,  
0.2077

180.1443, 0.3337,  
0.2779

 4.4624, 0.3698,  
0.1864

221.2104, 0.3324,  
0.2810

 1.9354, 0.3810,  
0.1569

268.0864, 0.3313,

 0.5696, 0.3993,

0.2838

0.1080

321.1567, 0.3303,  
0.2862

0.0000, 0.4370,  
0.0000

0.0000, 0.0000,  
0.0000

48.5089, 0.3435,  
0.2535

48.5089, 0.3435,  
0.2535

40.8491, 0.3538,  
0.2365

57.9606, 0.3343,  
0.2719

34.8583, 0.3651,  
0.2218

69.3032, 0.3262,  
0.2906

30.4086, 0.3770,  
0.2106

82.6365, 0.3193,  
0.3092

27.3508, 0.3892,  
0.2038

98.0513, 0.3133,  
0.3270

■ 25.5055, 0.4012,  
0.2019

99.9978, 0.3127,  
0.3290

■ 24.6389, 0.4114,  
0.2040

# Harmonies

## Analogous

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



48.5089, 0.2703, 0.2247



48.5089, 0.3435, 0.2535



48.5089, 0.4150, 0.2982

# Triad

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



48.5089, 0.3435, 0.2535



48.5089, 0.4078, 0.4505



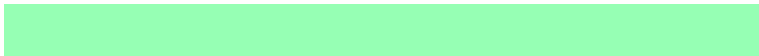
48.5089, 0.1879, 0.2798

# Complementary

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



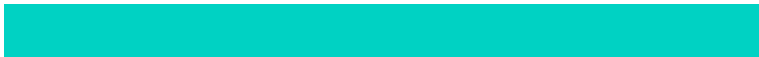
48.5089, 0.3435, 0.2535



81.2947, 0.2920, 0.4195

# 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.



48.5089, 0.2162, 0.3521



48.5089, 0.3435, 0.2535



48.5089, 0.3417, 0.4643

# Square

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



48.5089, 0.3435, 0.2535



48.5089, 0.4514, 0.4058



48.5089, 0.2715, 0.4270



48.5089, 0.1884, 0.2340



# Rectangle

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



48.5089, 0.3435, 0.2535



48.5089, 0.4471, 0.3332



48.5089, 0.2715, 0.4270



48.5089, 0.1941, 0.3015

# Sweetspot

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



48.5111, 0.3435, 0.2535



81.4559, 0.3198, 0.3076



38.7120, 0.2566, 0.2081



17.0420, 0.3207, 0.3052



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.



48.5111, 0.3435, 0.2535



42.3677, 0.3515, 0.2400



46.0840, 0.3954, 0.3054



18.2066, 0.3182, 0.3122



12.9027, 0.4096, 0.2030



1.2752, 0.3970, 0.1961



# Inverse Universe

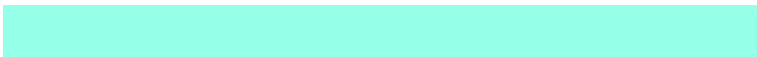
The Inverse Universe completely reimagines the original color for something new.



48.5111, 0.3435, 0.2535



42.3677, 0.3515, 0.2400



83.8384, 0.2665, 0.3550



18.2066, 0.3182, 0.3122



12.9027, 0.4096, 0.2030



1.2752, 0.3970, 0.1961



# Previews

## White Background



This preview shows how the Yxy color 48.5089, 0.3435, 0.2535 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

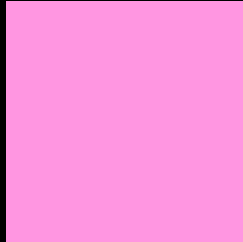
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5089, 0.3435, 0.2535 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

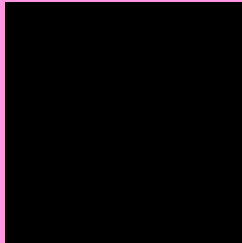
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.5089, 0.3435, 0.2535**

## Background



This preview shows how black text looks on a background with the Yxy color 48.5089, 0.3435, 0.2535.

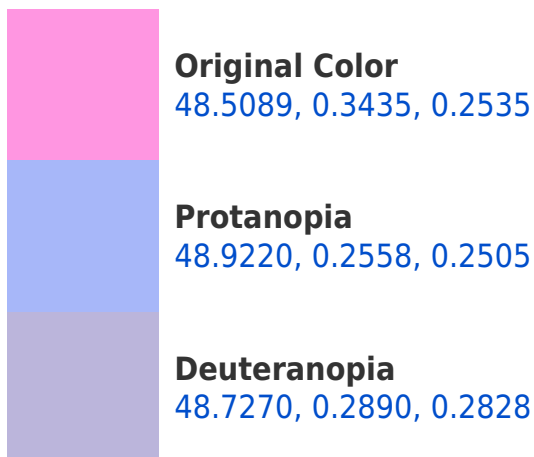


This preview shows how white text looks on a background with the Yxy color 48.5089, 0.3435, 0.2535.

# 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





## Tritanopia

48.6466, 0.3859, 0.3163

# Trichromacy



## Original Color

48.5089, 0.3435, 0.2535



## Protanomaly

47.5592, 0.2831, 0.2501



## Deuteranomaly

47.9670, 0.3078, 0.2705



## Tritanomaly

48.4289, 0.3701, 0.2922

# Monochromacy



## Original Color

48.5089, 0.3435, 0.2535



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

49.2679, 0.3238, 0.2963

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5089, 0.3435, 0.2535 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5089, 0.3435, 0.2535 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, 225) }
```

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

```
.border{ border-color:rgb(255, 150, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 150, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 150, 225); box-shadow:4px 4px 4px 4px rgb(255, 150, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5089, 0.3435, 0.2535 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
150, 225) }
```

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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