

# Converting Colors

$Y_{xy}(47.9605, 0.3246, 0.2352)$

Have a look what the booklet for  
Yxy(47.9605, 0.3246, 0.2352)  
contains.

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# Color

**Yxy(47.9146, 0.3242, 0.2352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA94F2
RGB	250, 148, 242
RGB Percent	98%, 58%, 95%
CMY	0.0195, 0.4196, 0.0510
CMYK	0.00, 0.41, 0.03, 0.02
HSL	305°, 91%, 78%
HSV	305°, 41%, 98%
XYZ	66.0455, 47.9146, 89.7584
YIQ	189.2140, 30.6180, 50.8580

# Conversions

## Conversions Part 2

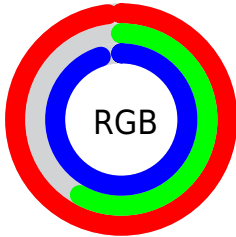
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	250, 148, 242
Decimal	16422130
CIE <sub>Lab</sub>	74.77, 51.61, -31.03
CIE <sub>LCh</sub>	75, 60.219, 328.987
Yxy	47.9146, 0.3242, 0.2352
Android (android.graphics.Color)	4294612210 (0xFFFA94F2)
YUV	189.2140, 26.0235, 53.3093
Hunter-Lab	69.2204, 49.1774, -28.4274

# Details

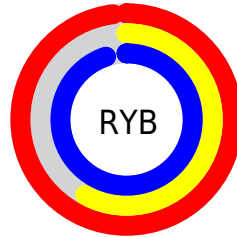
The Yxy color  $47.9146, 0.3242, 0.2352$  is a light color, and the websafe version is hex  $\text{FF99FF}$ . A complement of this color would be  $77.0839, 0.3028, 0.4454$ , and the grayscale version is  $50.8538, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $71.6657, 0.3151, 0.2792$ , and  $22.7570, 0.3253, 0.2139$  is the 20% darker color. If you saturate the color by 10%, you get  $40.7848, 0.3275, 0.2146$ , and if you desaturate by 10%, it is  $56.7438, 0.3210, 0.2577$ .

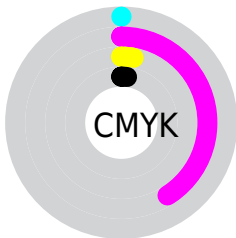
# Distribution



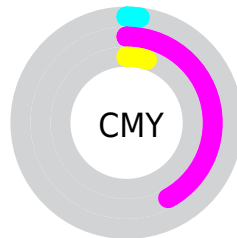
- Red (98%)
- Green (58%)
- Blue (95%)



- Red (98%)
- Yellow (58%)
- Blue (95%)



- Cyan (0%)
- Magenta (41%)
- Yellow (3%)
- Black (2%)




- Cyan (2%)
- Magenta (42%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9146, 0.3242, 0.2352 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 47.9146, 0.3242, 0.2352 by changing the saturation by 10% instead.




 47.9146, 0.3242,  
0.2352


 47.9146, 0.3242,  
0.2352


378.4535, 0.3201,  
0.2778

 33.7593, 0.3248,  
0.2257


 87.0772, 0.3230,  
0.2498

 22.7087, 0.3255,  
0.2142

 112.8533, 0.3225,  
0.2555

 14.3786, 0.3260,  
0.2000

143.2718, 0.3220,  
0.2605

 8.3844, 0.3262,  
0.1818

178.7170, 0.3215,  
0.2648

 4.3419, 0.3257,  
0.1583

219.5734, 0.3211,  
0.2686

 1.8666, 0.3232,  
0.1269

266.2254, 0.3207,

 0.5282, 0.3177,

0.2720

0.0785

319.0573, 0.3204,  
0.2751

0.0000, 0.2994,  
0.0000

0.0000, 0.0000,  
0.0000

47.9146, 0.3242,  
0.2352

47.9146, 0.3242,  
0.2352

40.7848, 0.3275,  
0.2146

56.7438, 0.3210,  
0.2577

35.2377, 0.3308,  
0.1968

67.3661, 0.3181,  
0.2810

31.1524, 0.3340,  
0.1827

79.8763, 0.3153,  
0.3044

28.3877, 0.3371,  
0.1729

94.3604, 0.3129,  
0.3272

 26.7744, 0.3399,  
0.1675

 98.8666, 0.3115,  
0.3320

 26.0598, 0.3422,  
0.1659

 98.9921, 0.3103,  
0.3301

 99.0687, 0.3096,  
0.3290

# Harmonies

## Analogous

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



47.9146, 0.2468, 0.2092



47.9146, 0.3242, 0.2352



47.9146, 0.4089, 0.2800

# Triad

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



47.9146, 0.3242, 0.2352



47.9146, 0.4332, 0.4521



47.9146, 0.1793, 0.2912

# Complementary

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



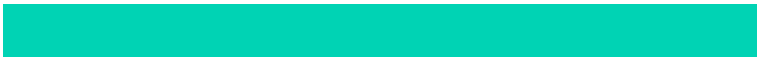
47.9146, 0.3242, 0.2352



77.0839, 0.3028, 0.4454

# 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.



47.9146, 0.2179, 0.3784



47.9146, 0.3242, 0.2352



47.9146, 0.3637, 0.4828

# Square

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



47.9146, 0.3242, 0.2352



47.9146, 0.4737, 0.3964



47.9146, 0.2848, 0.4581



47.9146, 0.1724, 0.2324



# Rectangle

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



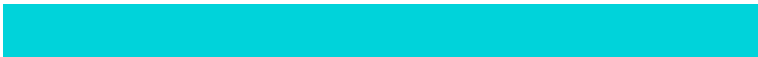
47.9146, 0.3242, 0.2352



47.9146, 0.4525, 0.3167



47.9146, 0.2848, 0.4581



47.9146, 0.1886, 0.3181

# Sweetspot

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



47.9168, 0.3242, 0.2352



81.8522, 0.3157, 0.3016



35.0305, 0.2411, 0.2044



17.1358, 0.3160, 0.2986



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.



47.9168, 0.3242, 0.2352



43.8404, 0.3269, 0.2180



45.3219, 0.3711, 0.2824



17.4996, 0.3150, 0.3074



13.8298, 0.3418, 0.1657



1.2877, 0.3390, 0.1641



# Inverse Universe

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



47.9168, 0.3242, 0.2352



43.8404, 0.3269, 0.2180



79.1295, 0.2777, 0.3820



17.4996, 0.3150, 0.3074



13.8298, 0.3418, 0.1657



1.2877, 0.3390, 0.1641



# Previews

## White Background



This preview shows how the Yxy color 47.9146, 0.3242, 0.2352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

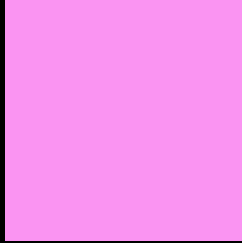
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.9146, 0.3242, 0.2352 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 47.9146, 0.3242, 0.2352**

## Background



This preview shows how black text looks on a background with the Yxy color 47.9146, 0.3242, 0.2352.

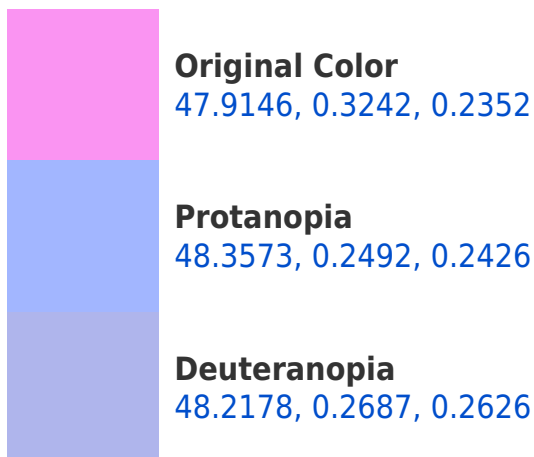


This preview shows how white text looks on a background with the Yxy color 47.9146, 0.3242, 0.2352.

# 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

47.8131, 0.3772, 0.3149

# Trichromacy



## Original Color

47.9146, 0.3242, 0.2352



## Protanomaly

47.1209, 0.2725, 0.2383



## Deuteranomaly

47.1055, 0.2868, 0.2503



## Tritanomaly

47.6499, 0.3578, 0.2841

# Monochromacy



## Original Color

47.9146, 0.3242, 0.2352



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

48.6751, 0.3172, 0.2892

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9146, 0.3242, 0.2352 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(250, 148, 242)` looks like.

```
.text, #text, p{  
    color:rgb(250, 148, 242)  
}
```

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(250, 148, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 148, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9146, 0.3242, 0.2352 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(250, 148, 242) }
```

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

```
.border{ border-color:rgb(250, 148, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 148, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 148, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 148, 242);  
box-shadow:4px 4px 4px 4px rgb(250, 148,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9146, 0.3242, 0.2352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 148, 242) }
```

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

```
.background{ background-color: rgb(250,  
148, 242) }
```

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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