

# Converting Colors

$Y_{xy}(46.9609, 0.3173, 0.2309)$

Have a look what the booklet for  
Yxy(46.9609, 0.3173, 0.2309)  
contains.

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# Color

**Yxy(46.8725, 0.3173, 0.2304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F593F5
RGB	245, 147, 245
RGB Percent	96%, 58%, 96%
CMY	0.0395, 0.4233, 0.0393
CMYK	0.00, 0.40, 0.00, 0.04
HSL	300°, 83%, 77%
HSV	300°, 40%, 96%
XYZ	64.5514, 46.8725, 92.0158
YIQ	187.4740, 26.9500, 51.2540

# Conversions

## Conversions Part 2

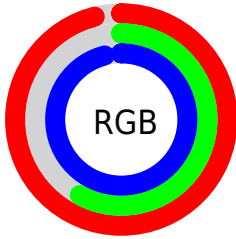
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 147, 245
Decimal	16094197
CIE Lab	74.11, 51.10, -33.73
CIE LCh	74, 61.231, 326.574
Yxy	46.8725, 0.3173, 0.2304
Android (android.graphics.Color)	4294284277 (0xFFFF593F5)
YUV	187.4740, 28.3603, 50.4503
Hunter-Lab	68.4635, 48.4892, -31.7620

# Details

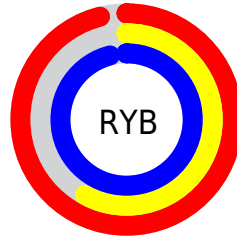
The Yxy color **46.8725, 0.3173, 0.2304** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **73.6137, 0.3070, 0.4522**, and the grayscale version is **49.8042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1919, 0.3151, 0.2782**, and **22.0243, 0.3172, 0.2086** is the 20% darker color. If you saturate the color by 10%, you get **40.0445, 0.3183, 0.2085**, and if you desaturate by 10%, it is **55.3270, 0.3162, 0.2543**.

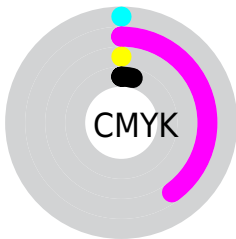
# Distribution



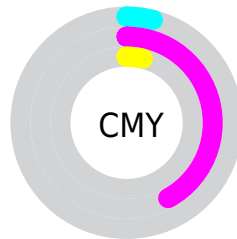
- Red (96%)
- Green (58%)
- Blue (96%)



- Red (96%)
- Yellow (58%)
- Blue (96%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (4%)



- Cyan (4%)
- Magenta (42%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8725, 0.3173, 0.2304 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 46.8725, 0.3173, 0.2304 by changing the saturation by 10% instead.




 46.8725, 0.3173,  
0.2304

 46.8725, 0.3173,  
0.2304


374.3054, 0.3166,  
0.2752

 32.9349, 0.3171,  
0.2205


 85.5233, 0.3174,  
0.2457

 22.0766, 0.3166,  
0.2085


 111.0052, 0.3173,  
0.2517

 13.9132, 0.3157,  
0.1936


141.1040, 0.3172,  
0.2569

 8.0603, 0.3140,  
0.1747

176.2042, 0.3171,  
0.2615

 4.1336, 0.3107,  
0.1503

216.6899, 0.3170,  
0.2655

 1.7485, 0.3041,  
0.1182

262.9458, 0.3169,

 0.4548, 0.2925,

0.2691

0.0669

315.3562, 0.3168,  
0.2723

0.0000, 0.2562,  
0.0000

0.0000, 0.0000,  
0.0000

46.8725, 0.3173,  
0.2304

46.8725, 0.3173,  
0.2304

40.0445, 0.3183,  
0.2085

55.3270, 0.3162,  
0.2543

34.7329, 0.3192,  
0.1896

65.4964, 0.3150,  
0.2793


30.8238, 0.3199,  
0.1745

77.4704, 0.3139,  
0.3045

28.1847, 0.3204,  
0.1636


91.3304, 0.3127,  
0.3291


 26.6578, 0.3207,  
0.1571

 97.5227, 0.3123,  
0.3388


 25.9804, 0.3208,  
0.1541

 97.5249, 0.3123,  
0.3388

 25.9791, 0.3208,  
0.1541

 97.5270, 0.3123,  
0.3388

 97.5292, 0.3123,  
0.3388

 97.5313, 0.3123,  
0.3388

# Harmonies

## Analogous

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



46.8725, 0.2399, 0.2058



46.8725, 0.3173, 0.2304



46.8725, 0.4047, 0.2746

# Triad

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



46.8725, 0.3173, 0.2304



46.8725, 0.4402, 0.4503



46.8725, 0.1785, 0.2963

# Complementary

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



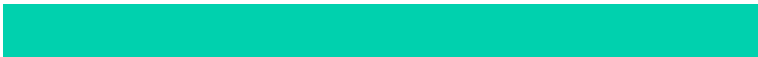
46.8725, 0.3173, 0.2304



73.6137, 0.3070, 0.4522

# 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.



46.8725, 0.2202, 0.3872



46.8725, 0.3173, 0.2304



46.8725, 0.3707, 0.4857

# Square

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



46.8725, 0.3173, 0.2304



46.8725, 0.4787, 0.3923



46.8725, 0.2902, 0.4662



46.8725, 0.1691, 0.2337



# Rectangle

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



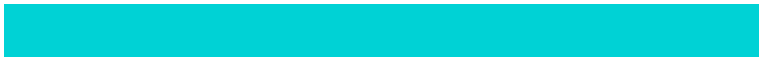
46.8725, 0.3173, 0.2304



46.8725, 0.4515, 0.3114



46.8725, 0.2902, 0.4662



46.8725, 0.1888, 0.3246

# Sweetspot

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



46.8746, 0.3173, 0.2304



82.0037, 0.3141, 0.2993



34.1930, 0.2387, 0.2081



17.1717, 0.3143, 0.2960



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.



46.8746, 0.3173, 0.2304



45.1344, 0.3181, 0.2124



44.3527, 0.3611, 0.2750



16.7679, 0.3138, 0.3057



13.9981, 0.3208, 0.1541



1.2304, 0.3208, 0.1541



# Inverse Universe

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



42.4013, 0.4144, 0.3293



39.6098, 0.4472, 0.3293



75.4134, 0.2825, 0.3911



16.4827, 0.3294, 0.3290



10.4581, 0.6400, 0.3299



0.9192, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 46.8725, 0.3173, 0.2304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

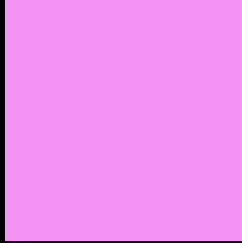
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8725, 0.3173, 0.2304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

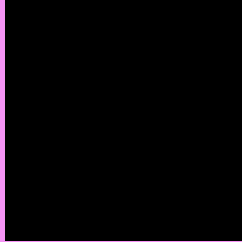
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.8725, 0.3173, 0.2304**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8725, 0.3173, 0.2304.



This preview shows how white text looks on a background with the Yxy color 46.8725, 0.3173, 0.2304.

# 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

46.8725, 0.3173, 0.2304

### Protanopia

47.2334, 0.2470, 0.2397

### Deuteranopia

47.4206, 0.2632, 0.2575



## Tritanopia

46.7687, 0.3716, 0.3145

# Trichromacy



## Original Color

46.8725, 0.3173, 0.2304



## Protanomaly

45.9174, 0.2687, 0.2344



## Deuteranomaly

46.2265, 0.2807, 0.2453



## Tritanomaly

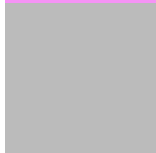
46.6348, 0.3514, 0.2821

# Monochromacy



## Original Color

46.8725, 0.3173, 0.2304



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

47.4690, 0.3147, 0.2865

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8725, 0.3173, 0.2304 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(245, 147, 245)` looks like.

```
.text, #text, p{  
    color:rgb(245, 147, 245)  
}
```

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(245, 147, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 147, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8725, 0.3173, 0.2304 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(245, 147, 245) }
```

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

```
.border{ border-color:rgb(245, 147, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 147, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 147, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 147, 245);  
box-shadow:4px 4px 4px 4px rgb(245, 147,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8725, 0.3173, 0.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 147, 245) }
```

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

```
.background{ background-color: rgb(245,  
147, 245) }
```

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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