

# Converting Colors

$Y_{xy}(46.7882, 0.3058, 0.2209)$

Have a look what the booklet for  
Yxy(46.7882, 0.3058, 0.2209)  
contains.

<b>Yxy(46.7882, 0.3058, 0.2209)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(46.7882, 0.3058, 0.2209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F193FF
RGB	241, 147, 255
RGB Percent	95%, 58%, 100%
CMY	0.0548, 0.4236, 0.0000
CMYK	0.05, 0.42, 0.00, 0.00
HSL	292°, 100%, 79%
HSV	292°, 42%, 100%
XYZ	64.7706, 46.7882, 100.2483
YIQ	187.4180, 21.3560, 53.5160

# Conversions

## Conversions Part 2

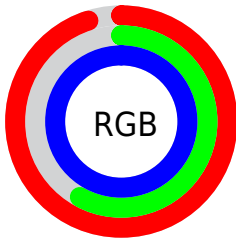
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 147, 255
Decimal	15832063
CIE <sub>Lab</sub>	74.05, 51.83, -39.30
CIE <sub>LCh</sub>	74, 65.048, 322.830
Yxy	46.7882, 0.3058, 0.2209
Android (android.graphics.Color)	4294022143 (0xFFFF193FF)
YUV	187.4180, 33.3179, 46.9914
Hunter-Lab	68.4019, 49.3206, -39.0128

# Details

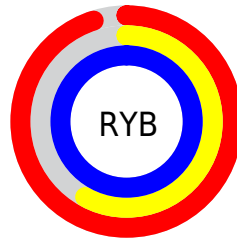
The Yxy color **46.7882, 0.3058, 0.2209** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.1979, 0.3143, 0.4581**, and the grayscale version is **49.7403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1919, 0.3151, 0.2782**, and **21.9732, 0.3017, 0.1971** is the 20% darker color. If you saturate the color by 10%, you get **39.1436, 0.3032, 0.1974**, and if you desaturate by 10%, it is **56.2011, 0.3080, 0.2462**.

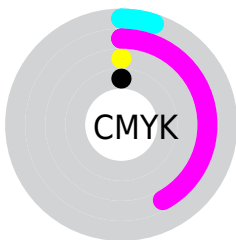
# Distribution



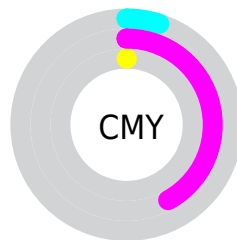
- Red (95%)
- Green (58%)
- Blue (100%)



- Red (95%)
- Yellow (58%)
- Blue (100%)



- Cyan (5%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (42%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7882, 0.3058, 0.2209 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 46.7882, 0.3058, 0.2209 by changing the saturation by 10% instead.





 46.7882, 0.3058,  
0.2209

 46.7882, 0.3058,  
0.2209

373.9685, 0.3110,  
0.2695

 32.8683, 0.3042,  
0.2103


 85.3974, 0.3080,  
0.2374

 22.0255, 0.3019,  
0.1975


 110.8554, 0.3087,  
0.2439

 13.8757, 0.2987,  
0.1817


140.9283, 0.3093,  
0.2496

 8.0342, 0.2939,  
0.1621

176.0003, 0.3098,  
0.2545

 4.1169, 0.2864,  
0.1371

216.4560, 0.3101,  
0.2589

 1.7391, 0.2738,  
0.1049

262.6796, 0.3105,

 0.4488, 0.2530,

0.2628

0.0565

315.0556, 0.3107,  
0.2663

0.0000, 0.2055,  
0.0000

0.0000, 0.0000,  
0.0000

46.7882, 0.3058,  
0.2209

46.7882, 0.3058,  
0.2209

39.1436, 0.3032,  
0.1974

56.2011, 0.3080,  
0.2462

33.1491, 0.3003,  
0.1768

67.4884, 0.3099,  
0.2722

28.6732, 0.2971,  
0.1599

80.7486, 0.3114,  
0.2982

25.5637, 0.2938,  
0.1475

96.0731, 0.3125,  
0.3233

■ 23.6368, 0.2904,  
0.1395

100.0000, 0.3127,  
0.3290

■ 22.7538, 0.2878,  
0.1359

# Harmonies

## Analogous

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



46.7882, 0.2275, 0.1981



46.7882, 0.3058, 0.2209



46.7882, 0.3992, 0.2648

# Triad

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



46.7882, 0.3058, 0.2209



46.7882, 0.4538, 0.4487



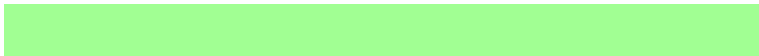
46.7882, 0.1749, 0.3044

# Complementary

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



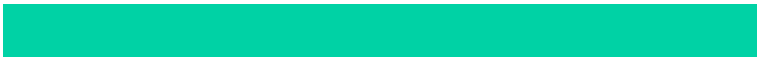
46.7882, 0.3058, 0.2209



81.1979, 0.3143, 0.4581

# 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.



46.7882, 0.2223, 0.4036



46.7882, 0.3058, 0.2209



46.7882, 0.3829, 0.4929

# Square

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



46.7882, 0.3058, 0.2209



46.7882, 0.4899, 0.3859



46.7882, 0.2984, 0.4826



46.7882, 0.1614, 0.2340



# Rectangle

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



46.7882, 0.3058, 0.2209



46.7882, 0.4523, 0.3022



46.7882, 0.2984, 0.4826



46.7882, 0.1869, 0.3358

# Sweetspot

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



46.7884, 0.3058, 0.2209



79.8389, 0.3113, 0.2965



39.0458, 0.2359, 0.2147



16.4312, 0.3110, 0.2908



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.



46.7884, 0.3058, 0.2209



40.0835, 0.3036, 0.2005



47.0485, 0.3529, 0.2595



18.1742, 0.3117, 0.3054



11.9359, 0.2884, 0.1362



1.1939, 0.2923, 0.1384



# Inverse Universe

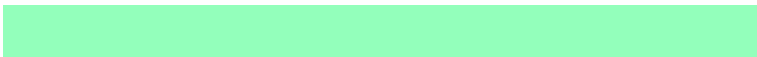
The Inverse Universe completely reimagines the original color for something new.



44.6934, 0.4090, 0.3146



37.8606, 0.4406, 0.3122



81.2917, 0.2872, 0.4116



18.0253, 0.3274, 0.3260



11.1778, 0.6239, 0.3211



1.0997, 0.5989, 0.3073



# Previews

## White Background



This preview shows how the Yxy color 46.7882, 0.3058, 0.2209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

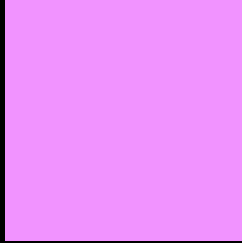
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.7882, 0.3058, 0.2209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

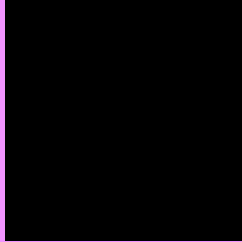
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.7882, 0.3058, 0.2209**

## Background



This preview shows how black text looks on a background with the Yxy color 46.7882, 0.3058, 0.2209.



This preview shows how white text looks on a background with the Yxy color 46.7882, 0.3058, 0.2209.

# 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

46.7882, 0.3058, 0.2209

### Protanopia

47.1316, 0.2464, 0.2395

### Deuteranopia

47.1635, 0.2521, 0.2461



## Tritanopia

46.5482, 0.3635, 0.3142

# Trichromacy



## Original Color

46.7882, 0.3058, 0.2209



## Protanomaly

45.9166, 0.2648, 0.2303



## Deuteranomaly

46.0467, 0.2695, 0.2346



## Tritanomaly

46.3539, 0.3419, 0.2772

# Monochromacy



## Original Color

46.7882, 0.3058, 0.2209



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

47.5239, 0.3106, 0.2819

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7882, 0.3058, 0.2209 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(241, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 147, 255)  
}
```

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(241, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 147, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7882, 0.3058, 0.2209 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(241, 147, 255) }
```

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

```
.border{ border-color:rgb(241, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 147,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7882, 0.3058, 0.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 147, 255) }
```

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

```
.background{ background-color: rgb(241,  
147, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor