

# Converting Colors

$Y_{xy}(46.5314, 0.4090, 0.3234)$

Have a look what the booklet for  
Yxy(46.5314, 0.4090, 0.3234)  
contains.

<b>Yxy(46.5457, 0.4086, 0.3230)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.5457, 0.4086, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF999F
RGB	255, 153, 159
RGB Percent	100%, 60%, 62%
CMY	0.0001, 0.3999, 0.3765
CMYK	0.00, 0.40, 0.38, 0.00
HSL	356°, 100%, 80%
HSV	356°, 40%, 100%
XYZ	58.8810, 46.5457, 38.6776
YIQ	184.1820, 58.8660, 23.4900

# Conversions

## Conversions Part 2

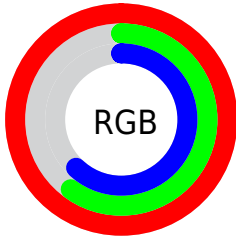
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 153, 159
Decimal	16751007
CIE Lab	73.90, 38.74, 13.35
CIE LCh	74, 40.979, 19.018
Yxy	46.5457, 0.4086, 0.3230
Android (android.graphics.Color)	4294941087 (0xFFFF999F)
YUV	184.1820, -12.4147, 62.1074
Hunter-Lab	68.2244, 34.6616, 14.1446

# Details

The Yxy color **46.5457, 0.4086, 0.3230** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.1167, 0.2601, 0.3355**, and the grayscale version is **48.0861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7160, 0.3442, 0.3240**, and **21.9328, 0.4365, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **38.3188, 0.4472, 0.3218**, and if you desaturate by 10%, it is **56.7221, 0.3764, 0.3245**.

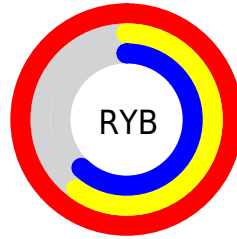
# Distribution



Red (100%)

Green (60%)

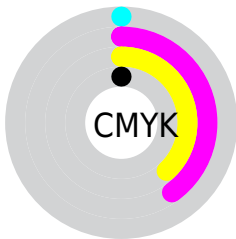
Blue (62%)



Red (100%)

Yellow (60%)

Blue (62%)

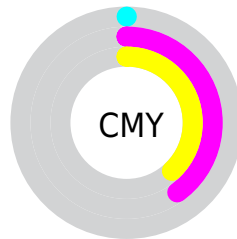


Cyan (0%)

Magenta (40%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (40%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5457, 0.4086, 0.3230 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 46.5457, 0.4086, 0.3230 by changing the saturation by 10% instead.





 46.5457, 0.4086,  
0.3230


 46.5457, 0.4086,  
0.3230


372.9982, 0.3602,  
0.3274

 32.6767, 0.4207,  
0.3215


 85.0351, 0.3910,  
0.3249

 21.8789, 0.4363,  
0.3193


 110.4242, 0.3844,  
0.3255

 13.7679, 0.4569,  
0.3160


140.4222, 0.3788,  
0.3260

 7.9594, 0.4854,  
0.3107

175.4134, 0.3740,  
0.3264

 4.0690, 0.5269,  
0.3014

215.7822, 0.3698,  
0.3267

 1.7122, 0.5934,  
0.2837

261.9130, 0.3662,

 0.4316, 0.7728,

0.3270

0.2272

314.1902, 0.3630,  
0.3272

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.5457, 0.4086,  
0.3230

46.5457, 0.4086,  
0.3230

38.3188, 0.4472,  
0.3218

56.7221, 0.3764,  
0.3245

31.9106, 0.4916,  
0.3211

68.9543, 0.3503,  
0.3261

27.1850, 0.5386,  
0.3213

83.3491, 0.3294,  
0.3276

23.9840, 0.5826,  
0.3226

99.9947, 0.3127,  
0.3290

■ 22.1195, 0.6165,  
0.3251

■ 21.2900, 0.6357,  
0.3276

■ 21.2890, 0.6358,  
0.3276

# Harmonies

## Analogous

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



46.5457, 0.3611, 0.2825



46.5457, 0.4086, 0.3230



46.5457, 0.4272, 0.3676

# Triad

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



46.5457, 0.4086, 0.3230



46.5457, 0.3144, 0.4245



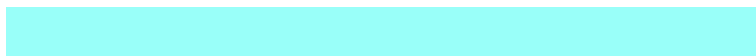
46.5457, 0.2197, 0.2457

# Complementary

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



46.5457, 0.4086, 0.3230



85.1167, 0.2601, 0.3355

# 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.



46.5457, 0.2101, 0.2743



46.5457, 0.4086, 0.3230



46.5457, 0.2615, 0.3822

# Square

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



46.5457, 0.4086, 0.3230



46.5457, 0.3696, 0.4320



46.5457, 0.2244, 0.3238



46.5457, 0.2518, 0.2393



# Rectangle

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



46.5457, 0.4086, 0.3230



46.5457, 0.4204, 0.3956



46.5457, 0.2244, 0.3238



46.5457, 0.2139, 0.2527

# Sweetspot

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



46.5480, 0.4086, 0.3230



80.2881, 0.3333, 0.3273



49.9971, 0.3117, 0.2285



16.7680, 0.3359, 0.3271



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.



46.5480, 0.4086, 0.3230



39.8123, 0.4391, 0.3220



63.5795, 0.3953, 0.3752



18.0043, 0.3285, 0.3276



11.1334, 0.6342, 0.3267



1.0898, 0.6205, 0.3192



# Inverse Universe

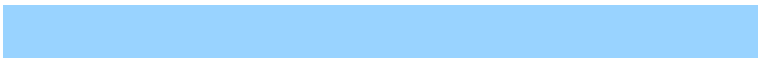
The Inverse Universe completely reimagines the original color for something new.



46.5480, 0.4086, 0.3230



39.8123, 0.4391, 0.3220



60.4794, 0.2493, 0.2770



18.0043, 0.3285, 0.3276



11.1334, 0.6342, 0.3267



1.0898, 0.6205, 0.3192



# Previews

## White Background



This preview shows how the Yxy color 46.5457, 0.4086, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

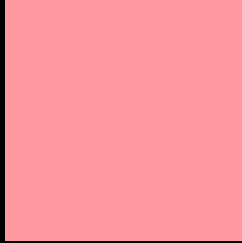
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.5457, 0.4086, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

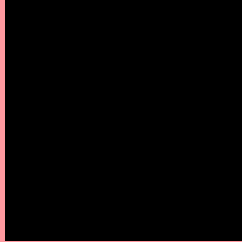
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.5457, 0.4086, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.5457, 0.4086, 0.3230.



This preview shows how white text looks on a background with the Yxy color 46.5457, 0.4086, 0.3230.

# 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

46.5457, 0.4086, 0.3230

### Protanopia

46.6685, 0.3235, 0.3381

### Deuteranopia

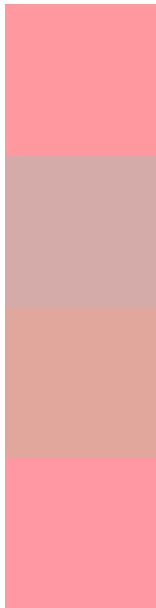
46.5818, 0.3612, 0.3539



## Tritanopia

46.3968, 0.4038, 0.3166

# Trichromacy



## Original Color

46.5457, 0.4086, 0.3230

## Protanomaly

45.9874, 0.3524, 0.3316

## Deuteranomaly

46.2065, 0.3790, 0.3421

## Tritanomaly

46.3251, 0.4059, 0.3188

# Monochromacy



## Original Color

46.5457, 0.4086, 0.3230

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

46.6839, 0.3447, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.5457, 0.4086, 0.3230 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 46.5457, 0.4086, 0.3230 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, 159) }
```

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

```
.border{ border-color:rgb(255, 153, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.5457, 0.4086, 0.3230 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
153, 159) }
```

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