

# Converting Colors

$Y_{xy}(42.1599, 0.4212, 0.3156)$

Have a look what the booklet for  
Yxy(42.1599, 0.4212, 0.3156)  
contains.

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# Color

**Yxy(42.3161, 0.4206, 0.3157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8C99
RGB	255, 140, 153
RGB Percent	100%, 55%, 60%
CMY	0.0000, 0.4510, 0.3999
CMYK	0.00, 0.45, 0.40, 0.00
HSL	353°, 100%, 77%
HSV	353°, 45%, 100%
XYZ	56.3768, 42.3161, 35.3461
YIQ	175.8670, 64.3670, 28.4230

# Conversions

## Conversions Part 2

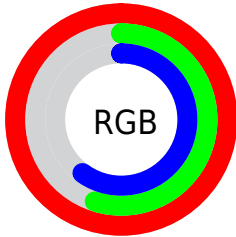
Format	Color
R <sub>Y</sub> B	255, 140, 153
Decimal	16747673
CIE Lab	71.09, 44.72, 12.70
CIE LCh	71, 46.492, 15.851
Yxy	42.3161, 0.4206, 0.3157
Android (android.graphics.Color)	4294937753 (0xFFFF8C99)
YUV	175.8670, -11.2734, 69.3996
Hunter-Lab	65.0508, 40.8594, 13.3197

# Details

The Yxy color  $42.3161, 0.4206, 0.3157$  is a light color, and the websafe version is hex  $\text{FF9999}$ . A complement of this color would be  $83.5026, 0.2577, 0.3438$ , and the grayscale version is  $43.3747, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $64.7952, 0.3521, 0.3168$ , and  $19.3778, 0.4529, 0.3100$  is the 20% darker color. If you saturate the color by 10%, you get  $35.0280, 0.4598, 0.3135$ , and if you desaturate by 10%, it is  $51.4667, 0.3873, 0.3185$ .

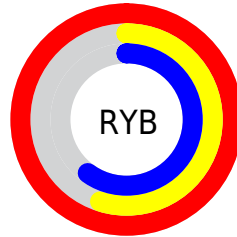
# Distribution



Red (100%)

Green (55%)

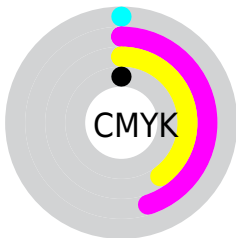
Blue (60%)



Red (100%)

Yellow (55%)

Blue (60%)

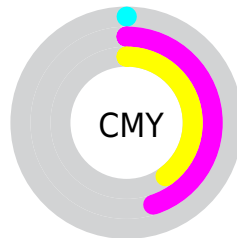


Cyan (0%)

Magenta (45%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3161, 0.4206, 0.3157 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 42.3161, 0.4206, 0.3157 by changing the saturation by 10% instead.




 42.3161, 0.4206,  
0.3157


 42.3161, 0.4206,  
0.3157


355.7916, 0.3654,  
0.3240

 29.3489, 0.4347,  
0.3131


 78.6778, 0.4003,  
0.3191

 19.3449, 0.4528,  
0.3095


 102.8411, 0.3927,  
0.3203

 11.9198, 0.4771,  
0.3041


 131.5052, 0.3864,  
0.3212

 6.6891, 0.5109,  
0.2958

165.0545, 0.3809,  
0.3220

 3.2684, 0.5608,  
0.2815

203.8734, 0.3762,  
0.3226

 1.2734, 0.6503,  
0.2586

248.3463, 0.3721,

 0.1205, 0.9128,

0.3232

0.0872

298.8576, 0.3685,  
0.3236

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.3161, 0.4206,  
0.3157

■ 42.3161, 0.4206,  
0.3157

■ 35.0280, 0.4598,  
0.3135

■ 51.4667, 0.3873,  
0.3185

■ 29.4814, 0.5037,  
0.3126

■ 62.6047, 0.3601,  
0.3216

■ 25.5284, 0.5488,  
0.3135

■ 75.8346, 0.3380,  
0.3247

■ 22.9998, 0.5894,  
0.3166

■ 91.2559, 0.3203,  
0.3276

■ 21.6880, 0.6192,  
0.3216

100.0000, 0.3127,  
0.3290

■ 21.3483, 0.6291,  
0.3239

# Harmonies

## Analogous

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



42.3161, 0.3619, 0.2709



42.3161, 0.4206, 0.3157



42.3161, 0.4461, 0.3662

# Triad

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



42.3161, 0.4206, 0.3157



42.3161, 0.3203, 0.4456



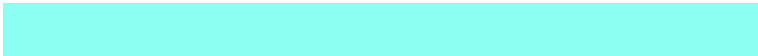
42.3161, 0.2034, 0.2347

# Complementary

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



42.3161, 0.4206, 0.3157



83.5026, 0.2577, 0.3438

# 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.



42.3161, 0.1953, 0.2693



42.3161, 0.4206, 0.3157



42.3161, 0.2582, 0.3988

# Square

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



42.3161, 0.4206, 0.3157



42.3161, 0.3837, 0.4476



42.3161, 0.2138, 0.3291



42.3161, 0.2370, 0.2257



# Rectangle

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



42.3161, 0.4206, 0.3157



42.3161, 0.4402, 0.3993



42.3161, 0.2138, 0.3291



42.3161, 0.1978, 0.2433

# Sweetspot

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



42.3134, 0.4206, 0.3157



77.4262, 0.3359, 0.3250



44.7758, 0.3064, 0.2147



15.9113, 0.3401, 0.3244



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.



42.3134, 0.4206, 0.3157



35.7437, 0.4552, 0.3137



57.4655, 0.4122, 0.3752



18.0206, 0.3276, 0.3263



11.1655, 0.6267, 0.3226



1.0975, 0.6035, 0.3098



# Inverse Universe

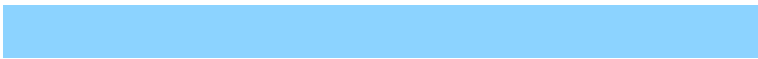
The Inverse Universe completely reimagines the original color for something new.



42.3134, 0.4206, 0.3157



35.7437, 0.4552, 0.3137



59.3391, 0.2427, 0.2763



18.0206, 0.3276, 0.3263



11.1655, 0.6267, 0.3226



1.0975, 0.6035, 0.3098



# Previews

## White Background



This preview shows how the Yxy color 42.3161, 0.4206, 0.3157 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 42.3161, 0.4206, 0.3157 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 42.3161, 0.4206, 0.3157**

## Background



This preview shows how black text looks on a background with the Yxy color 42.3161, 0.4206, 0.3157.



This preview shows how white text looks on a background with the Yxy color 42.3161, 0.4206, 0.3157.

# 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

42.3161, 0.4206, 0.3157

### Protanopia

42.6774, 0.3188, 0.3331

### Deuteranopia

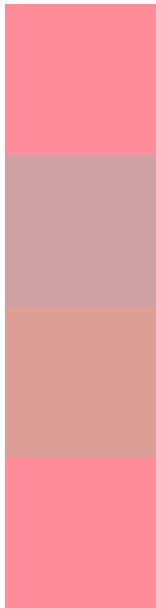
42.5609, 0.3621, 0.3549



## Tritanopia

42.2505, 0.4228, 0.3179

# Trichromacy



## Original Color

42.3161, 0.4206, 0.3157

## Protanomaly

41.6428, 0.3535, 0.3266

## Deuteranomaly

42.0279, 0.3834, 0.3388

## Tritanomaly

42.2832, 0.4217, 0.3168

# Monochromacy



## Original Color

42.3161, 0.4206, 0.3157

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

42.0007, 0.3485, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3161, 0.4206, 0.3157 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, 140, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 153)  
}
```

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, 140, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3161, 0.4206, 0.3157 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, 140, 153) }
```

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

```
.border{ border-color:rgb(255, 140, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
153) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 42.3161, 0.4206, 0.3157$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 153) }
```

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

```
.background{ background-color: rgb(255,  
140, 153) }
```

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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