

# Converting Colors

$Y_{xy}(79.5961, 0.3994, 0.2971)$

Have a look what the booklet for  
Yxy(79.5961, 0.3994, 0.2971)  
contains.

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# Color

**Yxy(61.8141, 0.3390, 0.2895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAE1
RGB	255, 186, 225
RGB Percent	100%, 73%, 88%
CMY	0.0000, 0.2705, 0.1178
CMYK	0.00, 0.27, 0.12, 0.00
HSL	326°, 100%, 86%
HSV	326°, 27%, 100%
XYZ	72.3834, 61.8141, 79.3228
YIQ	211.0770, 28.6050, 26.7570

# Conversions

## Conversions Part 2

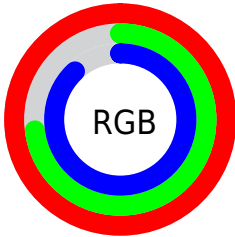
Format	Color
R <sub>Y</sub> B	255, 186, 225
Decimal	16759521
CIE Lab	82.81, 30.68, -9.59
CIE LCh	83, 32.141, 342.640
Yxy	61.8141, 0.3390, 0.2895
Android (android.graphics.Color)	4294949601 (0xFFFFBAE1)
YUV	211.0770, 6.8640, 38.5205
Hunter-Lab	78.6219, 26.7478, -4.7831

# Details

The Yxy color **61.8141, 0.3390, 0.2895** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.9172, 0.2930, 0.3722**, and the grayscale version is **65.1354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **31.2751, 0.3445, 0.2796** is the 20% darker color. If you saturate the color by 10%, you get **51.4273, 0.3523, 0.2744**, and if you desaturate by 10%, it is **74.1629, 0.3278, 0.3046**.

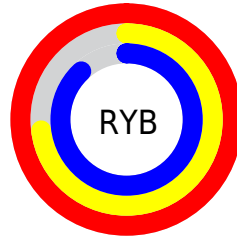
# Distribution



Red (100%)

Green (73%)

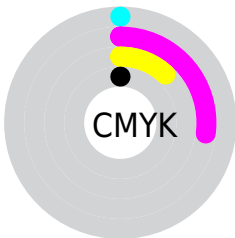
Blue (88%)



Red (100%)

Yellow (73%)

Blue (88%)

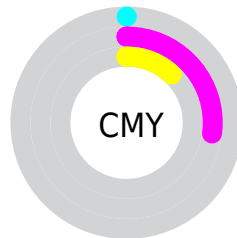


Cyan (0%)

Magenta (27%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8141, 0.3390, 0.2895 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 61.8141, 0.3390, 0.2895 by changing the saturation by 10% instead.




 61.8141, 0.3390,  
0.2895

 61.8141, 0.3390,  
0.2895

431.2527, 0.3268,  
0.3077

 44.8825, 0.3418,  
0.2854


 107.4568, 0.3348,  
0.2958

 31.3649, 0.3453,  
0.2803


136.9367, 0.3331,  
0.2982

 20.8769, 0.3497,  
0.2738


171.3682, 0.3317,  
0.3004

 13.0340, 0.3555,  
0.2655

211.1356, 0.3305,  
0.3022

 7.4520, 0.3634,  
0.2541

256.6233, 0.3294,  
0.3038

 3.7463, 0.3748,  
0.2380


308.2159, 0.3284,

 1.5327, 0.3928,


0.3053


0.2131

366.2975, 0.3276,  
0.3065


 0.3116, 0.4454,  
0.1307


 0.0000, 0.0000,  
0.0000


 61.8141, 0.3390,  
0.2895

 61.8141, 0.3390,  
0.2895

 51.4273, 0.3523,  
0.2744


 74.1629, 0.3278,  
0.3046

 42.8915, 0.3677,  
0.2600

 88.5605, 0.3184,  
0.3192

 36.0972, 0.3852,  
0.2472

99.9988, 0.3127,  
0.3290

 30.9201, 0.4045,  
0.2373

■ 27.2191, 0.4251,  
0.2315

■ 24.8283, 0.4460,  
0.2308

■ 23.5365, 0.4664,  
0.2355

■ 23.2718, 0.4723,  
0.2375

# Harmonies

## Analogous

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



61.8141, 0.2974, 0.2694



61.8141, 0.3390, 0.2895



61.8141, 0.3751, 0.3189

# Triad

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



61.8141, 0.3390, 0.2895



61.8141, 0.3623, 0.4007



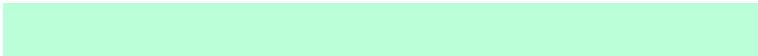
61.8141, 0.2381, 0.2974

# Complementary

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



61.8141, 0.3390, 0.2895



86.9172, 0.2930, 0.3722

# 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.



61.8141, 0.2531, 0.3350



61.8141, 0.3390, 0.2895



61.8141, 0.3238, 0.3988

# Square

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



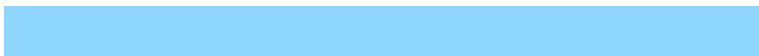
61.8141, 0.3390, 0.2895



61.8141, 0.3884, 0.3822



61.8141, 0.2840, 0.3739



61.8141, 0.2414, 0.2720



# Rectangle

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



61.8141, 0.3390, 0.2895



61.8141, 0.3899, 0.3410



61.8141, 0.2840, 0.3739



61.8141, 0.2412, 0.3090

# Sweetspot

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



61.8169, 0.3390, 0.2895



87.1090, 0.3192, 0.3178



56.9280, 0.2865, 0.2552



18.1589, 0.3205, 0.3157



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.



61.8169, 0.3390, 0.2895



56.4403, 0.3453, 0.2820



60.1273, 0.3677, 0.3244



18.1589, 0.3205, 0.3157



12.1912, 0.4691, 0.2358



1.2090, 0.4475, 0.2239



# Inverse Universe

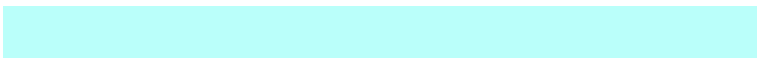
The Inverse Universe completely reimagines the original color for something new.



61.8169, 0.3390, 0.2895



56.4403, 0.3453, 0.2820



88.8839, 0.2754, 0.3338



18.1589, 0.3205, 0.3157



12.1912, 0.4691, 0.2358



1.2090, 0.4475, 0.2239



# Previews

## White Background



This preview shows how the Yxy color 61.8141, 0.3390, 0.2895 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

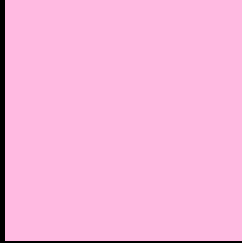
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8141, 0.3390, 0.2895 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 61.8141, 0.3390, 0.2895**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8141, 0.3390, 0.2895.



This preview shows how white text looks on a background with the Yxy color 61.8141, 0.3390, 0.2895.

# 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

61.8141, 0.3390, 0.2895

### Protanopia

62.1946, 0.2883, 0.2930

### Deuteranopia

62.1073, 0.3115, 0.3057



## Tritanopia

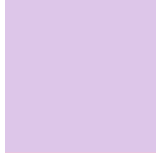
61.8820, 0.3530, 0.3145

# Trichromacy



## Original Color

61.8141, 0.3390, 0.2895



## Protanomaly

61.6435, 0.3054, 0.2909



## Deuteranomaly

61.9634, 0.3211, 0.3000



## Tritanomaly

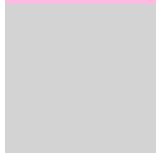
62.0313, 0.3475, 0.3053

# Monochromacy



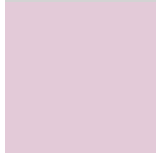
## Original Color

61.8141, 0.3390, 0.2895



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

63.5298, 0.3219, 0.3137

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8141, 0.3390, 0.2895 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, 186, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 225)  
}
```

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, 186, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8141, 0.3390, 0.2895 is called "border". The border property can be set on classes, ids or directly on the HTML element.

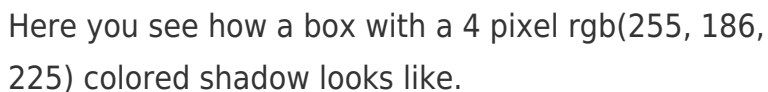
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 186, 225) }
```

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

```
.border{ border-color:rgb(255, 186, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 186, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 186, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 186, 225); box-shadow:4px 4px 4px 4px rgb(255, 186, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8141, 0.3390, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 225) }
```

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

```
.background{ background-color: rgb(255,  
186, 225) }
```

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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