

# Converting Colors

$Y_{xy}(100.0000, 0.2928, 0.2103)$

Have a look what the booklet for  
Yxy(100.0000, 0.2928, 0.2103)  
contains.

<b>Yxy(73.1056, 0.3149, 0.2821)</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(73.1056, 0.3149, 0.2821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCFFF
RGB	255, 207, 255
RGB Percent	100%, 81%, 100%
CMY	0.0000, 0.1882, 0.0000
CMYK	0.00, 0.19, 0.00, 0.00
HSL	300°, 100%, 91%
HSV	300°, 19%, 100%
XYZ	81.6056, 73.1056, 104.4366
YIQ	226.8240, 13.2000, 25.1040

# Conversions

## Conversions Part 2

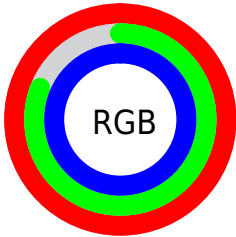
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 207, 255
Decimal	16764927
CIE Lab	88.50, 24.80, -17.07
CIE LCh	88, 30.107, 325.459
Yxy	73.1056, 0.3149, 0.2821
Android (android.graphics.Color)	4294955007 (0xFFFFCFFF)
YUV	226.8240, 13.8908, 24.7104
Hunter-Lab	85.5018, 20.7379, -12.5688

# Details

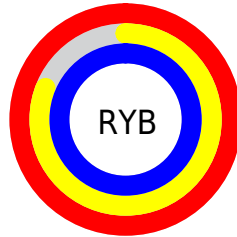
The Yxy color **73.1056, 0.3149, 0.2821** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.2909, 0.3103, 0.3808**, and the grayscale version is **76.5718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5395, 0.3154, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **61.7326, 0.3161, 0.2570**, and if you desaturate by 10%, it is **86.4767, 0.3137, 0.3073**.

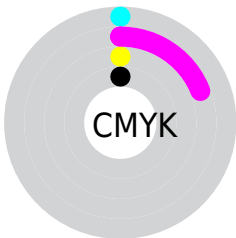
# Distribution



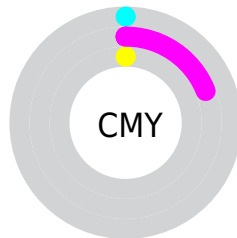
- Red (100%)
- Green (81%)
- Blue (100%)



- Red (100%)
- Yellow (81%)
- Blue (100%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (19%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1056, 0.3149, 0.2821 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 73.1056, 0.3149, 0.2821 by changing the saturation by 10% instead.




 73.1056, 0.3149,  
0.2821

 73.1056, 0.3149,  
0.2821


471.3807, 0.3142,  
0.3029

 54.0623, 0.3150,  
0.2775


123.6271, 0.3147,  
0.2892

 38.6515, 0.3150,  
0.2720


155.8741, 0.3147,  
0.2920

 26.4887, 0.3150,  
0.2652

193.2912, 0.3146,  
0.2944

 17.1896, 0.3150,  
0.2565

236.2627, 0.3145,  
0.2965

 10.3698, 0.3147,  
0.2450

285.1730, 0.3144,  
0.2984

 5.6448, 0.3141,  
0.2295

340.4065, 0.3144,

 2.6303, 0.3125,

0.3001

0.2070

402.3476, 0.3143,  
0.3016

0.9419, 0.3084,  
0.1723

0.0000, 0.3063,  
0.0000

73.1056, 0.3149,  
0.2821

73.1056, 0.3149,  
0.2821

61.7326, 0.3161,  
0.2570

86.4767, 0.3137,  
0.3073

52.2579, 0.3172,  
0.2329

100.0000, 0.3127,  
0.3290

44.5793, 0.3183,  
0.2107

38.5837, 0.3192,  
0.1914

■ 34.1448, 0.3199,  
0.1758

■ 31.1186, 0.3204,  
0.1645

■ 29.3346, 0.3208,  
0.1576

■ 28.5452, 0.3209,  
0.1544

■ 28.4800, 0.3209,  
0.1542

# Harmonies

## Analogous

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



73.1056, 0.2801, 0.2707



73.1056, 0.3149, 0.2821



73.1056, 0.3510, 0.3043

# Triad

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



73.1056, 0.3149, 0.2821



73.1056, 0.3720, 0.3852



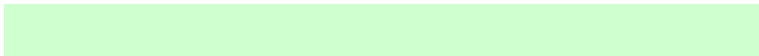
73.1056, 0.2520, 0.3196

# Complementary

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



73.1056, 0.3149, 0.2821



89.2909, 0.3103, 0.3808

# 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.



73.1056, 0.2742, 0.3547



73.1056, 0.3149, 0.2821



73.1056, 0.3432, 0.3941

# Square

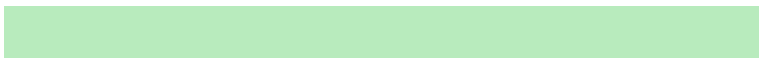
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1056, 0.3149, 0.2821



73.1056, 0.3849, 0.3622



73.1056, 0.3073, 0.3832



73.1056, 0.2454, 0.2899



# Rectangle

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



73.1056, 0.3149, 0.2821



73.1056, 0.3702, 0.3230



73.1056, 0.3073, 0.3832



73.1056, 0.2578, 0.3312

# Sweetspot

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



73.1070, 0.3149, 0.2821



90.6237, 0.3134, 0.3143



65.1128, 0.2814, 0.2772



19.1886, 0.3135, 0.3127



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.



73.1070, 0.3149, 0.2821



68.1179, 0.3154, 0.2716



71.6566, 0.3319, 0.3050



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Inverse Universe

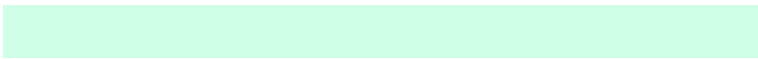
The Inverse Universe completely reimagines the original color for something new.



73.1070, 0.3149, 0.2821



68.1179, 0.3154, 0.2716



90.5554, 0.2971, 0.3544



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 73.1056, 0.3149, 0.2821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

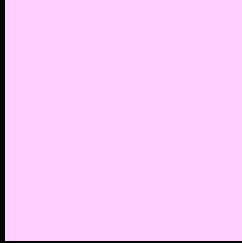
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1056, 0.3149, 0.2821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

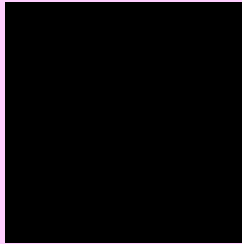
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.1056, 0.3149, 0.2821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1056, 0.3149, 0.2821.



This preview shows how white text looks on a background with the Yxy color 73.1056, 0.3149, 0.2821.

# 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

73.1056, 0.3149, 0.2821

### Protanopia

73.5318, 0.2880, 0.2932

### Deuteranopia

73.3756, 0.2978, 0.2919



## Tritanopia

73.1976, 0.3305, 0.3128

# Trichromacy



## Original Color

73.1056, 0.3149, 0.2821

## Protanomaly

73.1547, 0.2972, 0.2890

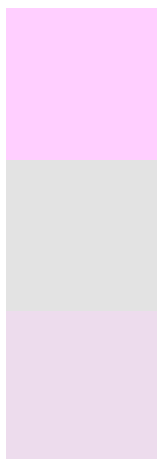
## Deuteranomaly

72.9214, 0.3033, 0.2875

## Tritanomaly

72.9617, 0.3243, 0.3010

# Monochromacy



## Original Color

73.1056, 0.3149, 0.2821

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

75.3053, 0.3135, 0.3115

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1056, 0.3149, 0.2821 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 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(255, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1056, 0.3149, 0.2821 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, 207, 255) }
```

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

```
.border{ border-color:rgb(255, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1056, 0.3149, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 255) }
```

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

```
.background{ background-color: rgb(255,  
207, 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