

# Converting Colors

Yxy(65.9966, 0.3469, 0.3127)

Have a look what the booklet for  
Yxy(65.9966, 0.3469, 0.3127)  
contains.

<b>Yxy(65.9966, 0.3469, 0.3127)</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(65.9966, 0.3469, 0.3127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC5D5
RGB	255, 197, 213
RGB Percent	100%, 77%, 84%
CMY	0.0001, 0.2274, 0.1646
CMYK	0.00, 0.23, 0.16, 0.00
HSL	343°, 100%, 89%
HSV	343°, 23%, 100%
XYZ	73.2146, 65.9966, 71.8428
YIQ	216.1660, 29.4320, 17.2720

# Conversions

## Conversions Part 2

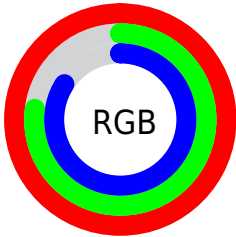
Format	Color
R <sub>Y</sub> B	255, 197, 213
Decimal	16762325
CIE Lab	84.99, 23.02, 0.01
CIE LCh	85, 23.020, 0.033
Yxy	65.9966, 0.3469, 0.3127
Android (android.graphics.Color)	4294952405 (0xFFFFC5D5)
YUV	216.1660, -1.5608, 34.0574
Hunter-Lab	81.2383, 18.7031, 4.4339

# Details

The Yxy color **65.9966, 0.3469, 0.3127** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.6141, 0.2871, 0.3460**, and the grayscale version is **68.7861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **34.1193, 0.3563, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **54.4972, 0.3678, 0.3051**, and if you desaturate by 10%, it is **79.5672, 0.3299, 0.3201**.

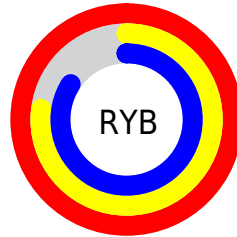
# Distribution



Red (100%)

Green (77%)

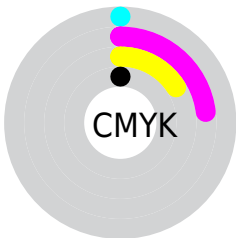
Blue (84%)



Red (100%)

Yellow (77%)

Blue (84%)

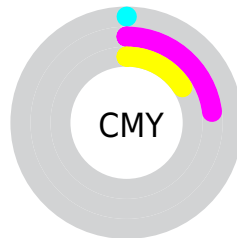


Cyan (0%)

Magenta (23%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9966, 0.3469, 0.3127 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 65.9966, 0.3469, 0.3127 by changing the saturation by 10% instead.




 65.9966, 0.3469,  
0.3127

 65.9966, 0.3469,  
0.3127

446.3647, 0.3308,  
0.3204

 48.2696, 0.3507,  
0.3109


113.4815, 0.3413,  
0.3154

 34.0405, 0.3553,  
0.3087


144.0081, 0.3391,  
0.3164

 22.9247, 0.3613,  
0.3058

179.5702, 0.3372,  
0.3173

 14.5379, 0.3693,  
0.3020


220.5520, 0.3356,  
0.3181

 8.4957, 0.3803,  
0.2968

267.3380, 0.3342,  
0.3188

 4.4138, 0.3966,  
0.2890

320.3125, 0.3329,

 1.9076, 0.4231,

0.3194

0.2763

379.8599, 0.3318,  
0.3199

0.5529, 0.4908,  
0.2440

0.0000, 1.0000,  
0.0000

65.9966, 0.3469,  
0.3127

65.9966, 0.3469,  
0.3127

54.4972, 0.3678,  
0.3051

79.5672, 0.3299,  
0.3201

44.9579, 0.3931,  
0.2977

95.2948, 0.3160,  
0.3272

37.2709, 0.4232,  
0.2913

99.9976, 0.3127,  
0.3290

31.3143, 0.4578,  
0.2867

■ 26.9515, 0.4955,  
0.2851

■ 24.0250, 0.5335,  
0.2877

■ 22.3444, 0.5680,  
0.2948

■ 21.7050, 0.5892,  
0.3020

# Harmonies

## Analogous

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



65.9966, 0.3192, 0.2936



65.9966, 0.3469, 0.3127



65.9966, 0.3656, 0.3363

# Triad

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



65.9966, 0.3469, 0.3127



65.9966, 0.3331, 0.3798



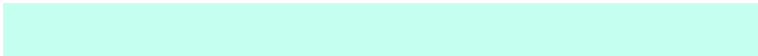
65.9966, 0.2592, 0.2955

# Complementary

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



65.9966, 0.3469, 0.3127



89.6141, 0.2871, 0.3460

# 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.



65.9966, 0.2625, 0.3179



65.9966, 0.3469, 0.3127



65.9966, 0.3044, 0.3686

# Square

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



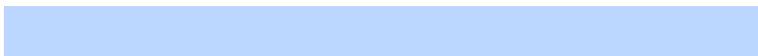
65.9966, 0.3469, 0.3127



65.9966, 0.3570, 0.3757



65.9966, 0.2788, 0.3452



65.9966, 0.2692, 0.2832



# Rectangle

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



65.9966, 0.3469, 0.3127



65.9966, 0.3698, 0.3520



65.9966, 0.2788, 0.3452



65.9966, 0.2588, 0.3020

# Sweetspot

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



65.9996, 0.3469, 0.3127



88.3308, 0.3216, 0.3242



65.4304, 0.3033, 0.2701



18.7020, 0.3224, 0.3238



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

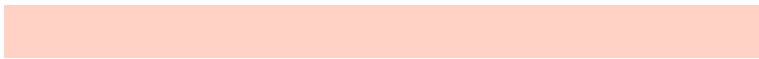
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9996, 0.3469, 0.3127



60.8567, 0.3553, 0.3095



71.1711, 0.3569, 0.3420



18.0695, 0.3251, 0.3225



11.3641, 0.5851, 0.2997



1.1240, 0.5532, 0.2821



# Inverse Universe

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



65.9996, 0.3469, 0.3127



60.8567, 0.3553, 0.3095



82.8486, 0.2779, 0.3156



18.0695, 0.3251, 0.3225



11.3641, 0.5851, 0.2997



1.1240, 0.5532, 0.2821



# Previews

## White Background



This preview shows how the Yxy color 65.9966, 0.3469, 0.3127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

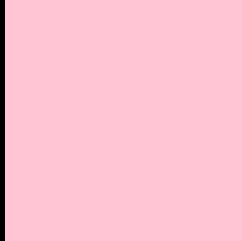
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9966, 0.3469, 0.3127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

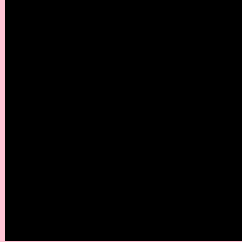
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9966, 0.3469, 0.3127**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9966, 0.3469, 0.3127.



This preview shows how white text looks on a background with the Yxy color 65.9966, 0.3469, 0.3127.

# 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

65.9966, 0.3469, 0.3127

### Protanopia

66.1051, 0.3081, 0.3179

### Deuteranopia

66.1694, 0.3298, 0.3236



## Tritanopia

65.9460, 0.3477, 0.3137

# Trichromacy



## Original Color

65.9966, 0.3469, 0.3127

## Protanomaly

65.8626, 0.3217, 0.3160

## Deuteranomaly

66.1661, 0.3357, 0.3195

## Tritanomaly

65.9460, 0.3477, 0.3137

# Monochromacy



## Original Color

65.9966, 0.3469, 0.3127

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.3302, 0.3243, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9966, 0.3469, 0.3127 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, 197, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 213)  
}
```

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, 197, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9966, 0.3469, 0.3127 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, 197, 213) }
```

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

```
.border{ border-color:rgb(255, 197, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9966, 0.3469, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 213) }
```

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

```
.background{ background-color: rgb(255,  
197, 213) }
```

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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