

# Converting Colors

$Y_{xy}(71.0505, 0.3701, 0.3199)$

Have a look what the booklet for  
Yxy(71.0505, 0.3701, 0.3199)  
contains.

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# **Color**

**Yxy(66.2022, 0.3507, 0.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6D0
RGB	255, 198, 208
RGB Percent	100%, 78%, 82%
CMY	0.0000, 0.2235, 0.1842
CMYK	0.00, 0.22, 0.18, 0.00
HSL	349°, 100%, 89%
HSV	349°, 22%, 100%
XYZ	72.8266, 66.2022, 68.6318
YIQ	216.1830, 30.7620, 15.1940

# Conversions

## Conversions Part 2

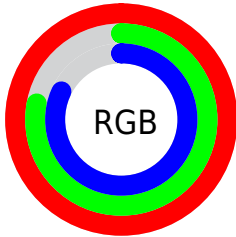
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 198, 208
Decimal	16762576
CIE <sub>Lab</sub>	85.10, 21.76, 2.83
CIE <sub>LCh</sub>	85, 21.940, 7.404
Yxy	66.2022, 0.3507, 0.3188
Android (android.graphics.Color)	4294952656 (0xFFFFC6D0)
YUV	216.1830, -4.0342, 34.0425
Hunter-Lab	81.3647, 17.3805, 6.9437

# Details

The Yxy color **66.2022, 0.3507, 0.3188** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.1158, 0.2846, 0.3395**, and the grayscale version is **68.8125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.2854, 0.3603, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **54.5428, 0.3745, 0.3140**, and if you desaturate by 10%, it is **79.9602, 0.3314, 0.3235**.

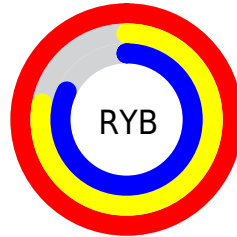
# Distribution



Red (100%)

Green (78%)

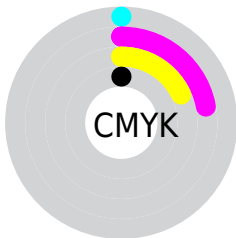
Blue (82%)



Red (100%)

Yellow (78%)

Blue (82%)

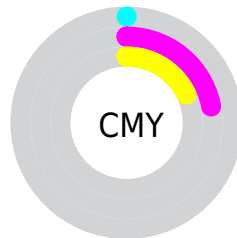


Cyan (0%)

Magenta (22%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2022, 0.3507, 0.3188 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 66.2022, 0.3507, 0.3188 by changing the saturation by 10% instead.




 66.2022, 0.3507,  
0.3188

 66.2022, 0.3507,  
0.3188


447.0997, 0.3327,  
0.3237

 48.4366, 0.3549,  
0.3176


113.7765, 0.3444,  
0.3206

 34.1727, 0.3601,  
0.3161


144.3539, 0.3420,  
0.3212

 23.0263, 0.3668,  
0.3142

179.9708, 0.3399,  
0.3218

 14.6130, 0.3758,  
0.3116

221.0114, 0.3381,  
0.3223

 8.5482, 0.3882,  
0.3079

267.8602, 0.3365,  
0.3227

 4.4477, 0.4066,  
0.3022

320.9016, 0.3351,

 1.9270, 0.4367,

0.3231

0.2926

380.5200, 0.3339,  
0.3234

0.5645, 0.5258,  
0.2727

0.0000, 1.0000,  
0.0000

66.2022, 0.3507,  
0.3188

66.2022, 0.3507,  
0.3188

54.5428, 0.3745,  
0.3140

79.9602, 0.3314,  
0.3235

44.8795, 0.4036,  
0.3093

95.9144, 0.3159,  
0.3280

37.0997, 0.4383,  
0.3054

100.0000, 0.3127,  
0.3290

31.0797, 0.4781,  
0.3029

■ 26.6813, 0.5208,  
0.3027

■ 23.7450, 0.5624,  
0.3056

■ 22.0790, 0.5974,  
0.3117

■ 21.4485, 0.6173,  
0.3174

# Harmonies

## Analogous

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



66.2022, 0.3258, 0.2991



66.2022, 0.3507, 0.3188



66.2022, 0.3653, 0.3417

# Triad

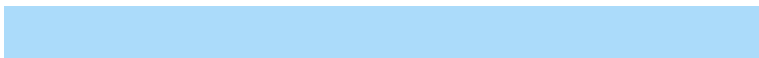
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.2022, 0.3507, 0.3188



66.2022, 0.3256, 0.3760



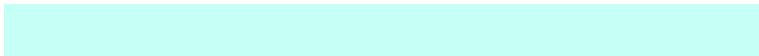
66.2022, 0.2628, 0.2932

# Complementary

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



66.2022, 0.3507, 0.3188



90.1158, 0.2846, 0.3395

# 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.



66.2022, 0.2629, 0.3126



66.2022, 0.3507, 0.3188



66.2022, 0.2983, 0.3620

# Square

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



66.2022, 0.3507, 0.3188



66.2022, 0.3502, 0.3757



66.2022, 0.2756, 0.3381



66.2022, 0.2754, 0.2842



# Rectangle

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



66.2022, 0.3507, 0.3188



66.2022, 0.3668, 0.3562



66.2022, 0.2756, 0.3381



66.2022, 0.2614, 0.2986

# Sweetspot

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



66.2018, 0.3507, 0.3188



88.2239, 0.3227, 0.3260



66.9379, 0.3076, 0.2719



18.6773, 0.3236, 0.3257



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

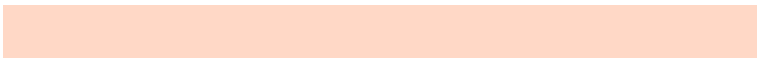
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2018, 0.3507, 0.3188



60.5306, 0.3611, 0.3166



74.4730, 0.3547, 0.3476



18.0393, 0.3267, 0.3248



11.2223, 0.6140, 0.3156



1.1063, 0.5855, 0.2999



# Inverse Universe

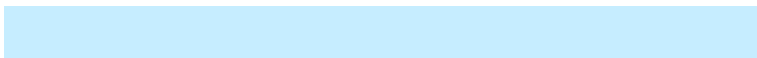
The Inverse Universe completely reimagines the original color for something new.



66.2018, 0.3507, 0.3188



60.5306, 0.3611, 0.3166



79.7639, 0.2780, 0.3096



18.0393, 0.3267, 0.3248



11.2223, 0.6140, 0.3156

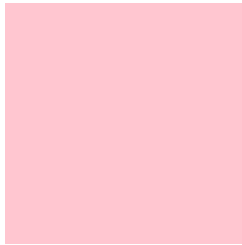


1.1063, 0.5855, 0.2999



# Previews

## White Background



This preview shows how the Yxy color 66.2022, 0.3507, 0.3188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

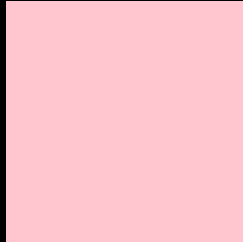
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2022, 0.3507, 0.3188 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 66.2022, 0.3507, 0.3188**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2022, 0.3507, 0.3188.

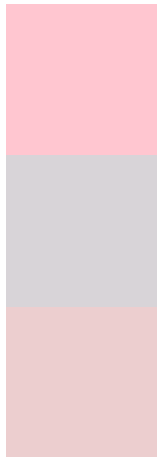


This preview shows how white text looks on a background with the Yxy color 66.2022, 0.3507, 0.3188.

# 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

66.2022, 0.3507, 0.3188

### Protanopia

66.6438, 0.3129, 0.3245

### Deuteranopia

66.4805, 0.3351, 0.3280



## Tritanopia

66.4523, 0.3468, 0.3137

# Trichromacy



## Original Color

66.2022, 0.3507, 0.3188

## Protanomaly

66.2527, 0.3259, 0.3225

## Deuteranomaly

66.2716, 0.3411, 0.3248

## Tritanomaly

66.3513, 0.3483, 0.3158

# Monochromacy



## Original Color

66.2022, 0.3507, 0.3188

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.2280, 0.3257, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2022, 0.3507, 0.3188 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, 198, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 208)  
}
```

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, 198, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2022, 0.3507, 0.3188 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, 198, 208) }
```

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

```
.border{ border-color:rgb(255, 198, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2022, 0.3507, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 208) }
```

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

```
.background{ background-color: rgb(255,  
198, 208) }
```

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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