

# Converting Colors

$Yxy(66.7161, 0.3379, 0.3227)$

Have a look what the booklet for  
Yxy(66.7161, 0.3379, 0.3227)  
contains.

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# Color

**Yxy(66.7161, 0.3379, 0.3227)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2CCD2
RGB	242, 204, 210
RGB Percent	95%, 80%, 82%
CMY	0.0507, 0.2001, 0.1765
CMYK	0.00, 0.16, 0.13, 0.05
HSL	351°, 60%, 87%
HSV	351°, 16%, 95%
XYZ	69.8586, 66.7161, 70.1687
YIQ	216.0460, 20.7220, 9.9220

# Conversions

## Conversions Part 2

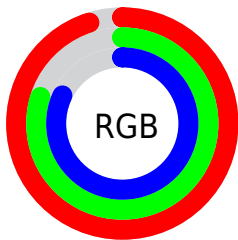
Format	Color
R <sub>Y</sub> B	242, 204, 210
Decimal	15912146
CIE Lab	85.36, 14.33, 2.01
CIE LCh	85, 14.471, 7.971
Yxy	66.7161, 0.3379, 0.3227
Android (android.graphics.Color)	4294102226 (0xFFFF2CCD2)
YUV	216.0460, -2.9807, 22.7617
Hunter-Lab	81.6799, 9.7263, 6.2417

# Details

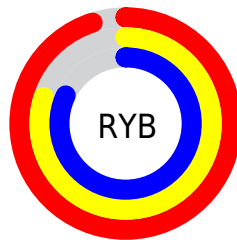
The Yxy color  $66.7161, 0.3379, 0.3227$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $82.4332, 0.2922, 0.3354$ , and the grayscale version is  $68.7176, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.6521, 0.3441, 0.3209$  is the 20% darker color. If you saturate the color by 10%, you get  $55.1419, 0.3590, 0.3184$ , and if you desaturate by 10%, it is  $80.2137, 0.3209, 0.3268$ .

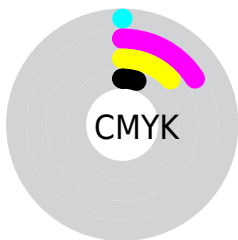
# Distribution



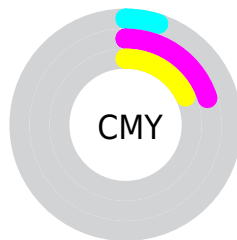
- Red (95%)
- Green (80%)
- Blue (82%)



- Red (95%)
- Yellow (80%)
- Blue (82%)



- Cyan (0%)
- Magenta (16%)
- Yellow (13%)
- Black (5%)




- Cyan (5%)
- Magenta (20%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7161, 0.3379, 0.3227 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 66.7161, 0.3379, 0.3227 by changing the saturation by 10% instead.



 66.7161, 0.3379,  
0.3227

 66.7161, 0.3379,  
0.3227


448.9336, 0.3260,  
0.3257

 48.8539, 0.3407,  
0.3220


114.5135, 0.3337,  
0.3238

 34.5036, 0.3441,  
0.3211


145.2176, 0.3321,  
0.3242

 23.2808, 0.3486,  
0.3199


180.9710, 0.3307,  
0.3245

 14.8010, 0.3544,  
0.3183

222.1583, 0.3296,  
0.3248

 8.6798, 0.3626,  
0.3161

269.1638, 0.3285,  
0.3251

 4.5329, 0.3748,  
0.3127

322.3719, 0.3276,

 1.9759, 0.3947,

0.3253

0.3069

382.1671, 0.3268,  
0.3256

0.5934, 0.4545,  
0.2945

0.0000, 0.0000,  
0.0000

66.7161, 0.3379,  
0.3227

66.7161, 0.3379,  
0.3227

55.1419, 0.3590,  
0.3184

80.2137, 0.3209,  
0.3268

45.3950, 0.3850,  
0.3141

95.7074, 0.3072,  
0.3306

37.3844, 0.4166,  
0.3101

97.6277, 0.3048,  
0.3290

31.0078, 0.4538,  
0.3070

■ 26.1521, 0.4957,  
0.3054

■ 22.6898, 0.5392,  
0.3063

■ 20.4724, 0.5793,  
0.3101

■ 19.3171, 0.6106,  
0.3165

■ 19.0294, 0.6207,  
0.3193

# Harmonies

## Analogous

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



66.7161, 0.3218, 0.3092



66.7161, 0.3379, 0.3227



66.7161, 0.3472, 0.3381

# Triad

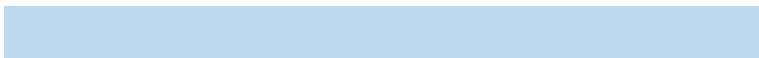
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.7161, 0.3379, 0.3227



66.7161, 0.3211, 0.3594



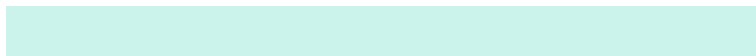
66.7161, 0.2796, 0.3054

# Complementary

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



66.7161, 0.3379, 0.3227



82.4332, 0.2922, 0.3354

# 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.



66.7161, 0.2794, 0.3183



66.7161, 0.3379, 0.3227



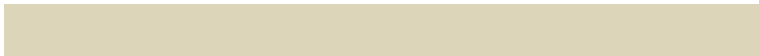
66.7161, 0.3031, 0.3501

# Square

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



66.7161, 0.3379, 0.3227



66.7161, 0.3372, 0.3597



66.7161, 0.2879, 0.3348



66.7161, 0.2883, 0.2991



# Rectangle

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



66.7161, 0.3379, 0.3227



66.7161, 0.3481, 0.3476



66.7161, 0.2879, 0.3348



66.7161, 0.2785, 0.3090

# Sweetspot

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



66.7191, 0.3379, 0.3227



91.4610, 0.3198, 0.3271



67.3763, 0.3099, 0.2895



19.3293, 0.3209, 0.3268



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.



66.7191, 0.3379, 0.3227



70.5336, 0.3444, 0.3213



72.7053, 0.3404, 0.3424



15.7996, 0.3268, 0.3253



10.2298, 0.6176, 0.3176



0.8631, 0.5850, 0.2996



# Inverse Universe

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



66.7191, 0.3379, 0.3227



70.5336, 0.3444, 0.3213



75.4917, 0.2883, 0.3152



15.7996, 0.3268, 0.3253



10.2298, 0.6176, 0.3176

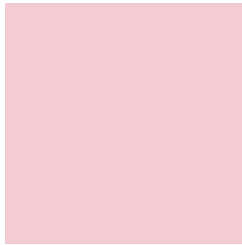


0.8631, 0.5850, 0.2996



# Previews

## White Background



This preview shows how the Yxy color 66.7161, 0.3379, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

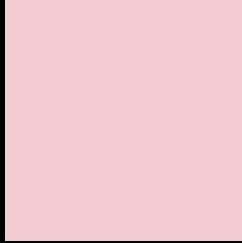
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7161, 0.3379, 0.3227 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 66.7161, 0.3379, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7161, 0.3379, 0.3227.



This preview shows how white text looks on a background with the Yxy color 66.7161, 0.3379, 0.3227.

# 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

66.7161, 0.3379, 0.3227

### Protanopia

66.7450, 0.3143, 0.3257

### Deuteranopia

66.9410, 0.3320, 0.3258



## Tritanopia

66.8285, 0.3328, 0.3133

# Trichromacy



## Original Color

66.7161, 0.3379, 0.3227

## Protanomaly

66.5738, 0.3227, 0.3247

## Deuteranomaly

66.9729, 0.3344, 0.3248

## Tritanomaly

66.6729, 0.3350, 0.3164

# Monochromacy



## Original Color

66.7161, 0.3379, 0.3227

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.9496, 0.3210, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7161, 0.3379, 0.3227 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(242, 204, 210)` looks like.

```
.text, #text, p{  
    color:rgb(242, 204, 210)  
}
```

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(242, 204, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 204, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7161, 0.3379, 0.3227 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(242, 204, 210) }
```

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

```
.border{ border-color:rgb(242, 204, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 204, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 204, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 204, 210);  
box-shadow:4px 4px 4px 4px rgb(242, 204,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7161, 0.3379, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 204, 210) }
```

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

```
.background{ background-color: rgb(242,  
204, 210) }
```

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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