

# Converting Colors

$Yxy(67.1729, 0.3382, 0.3280)$

Have a look what the booklet for  
Yxy(67.1729, 0.3382, 0.3280)  
contains.

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# Color

**Yxy(67.1729, 0.3382, 0.3280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0CECF
RGB	240, 206, 207
RGB Percent	94%, 81%, 81%
CMY	0.0590, 0.1921, 0.1881
CMYK	0.00, 0.14, 0.14, 0.06
HSL	358°, 53%, 87%
HSV	358°, 14%, 94%
XYZ	69.2618, 67.1729, 68.3607
YIQ	216.2800, 19.9430, 7.5190

# Conversions

## Conversions Part 2

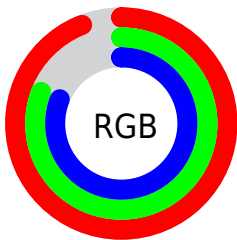
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 206, 207
Decimal	15781583
CIE <sub>Lab</sub>	85.59, 12.05, 3.90
CIE <sub>LCh</sub>	86, 12.663, 17.943
Yxy	67.1729, 0.3382, 0.3280
Android (android.graphics.Color)	4293971663 (0xFFFF0CECF)
YUV	216.2800, -4.5750, 20.8024
Hunter-Lab	81.9591, 7.4180, 7.9185

# Details

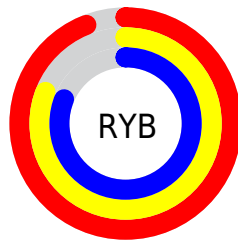
The Yxy color  $67.1729, 0.3382, 0.3280$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $81.6527, 0.2917, 0.3300$ , and the grayscale version is  $68.8921, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $34.9467, 0.3446, 0.3277$  is the 20% darker color. If you saturate the color by 10%, you get  $55.4330, 0.3618, 0.3273$ , and if you desaturate by 10%, it is  $80.8506, 0.3194, 0.3287$ .

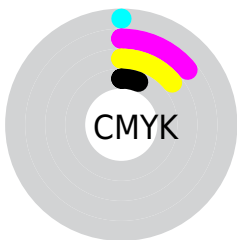
# Distribution



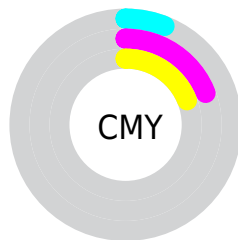
- Red (94%)
- Green (81%)
- Blue (81%)



- Red (94%)
- Yellow (81%)
- Blue (81%)



- Cyan (0%)
- Magenta (14%)
- Yellow (14%)
- Black (6%)




- Cyan (6%)
- Magenta (19%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1729, 0.3382, 0.3280 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 67.1729, 0.3382, 0.3280 by changing the saturation by 10% instead.




 67.1729, 0.3382,  
0.3280

 67.1729, 0.3382,  
0.3280


450.5600, 0.3262,  
0.3286

 49.2252, 0.3410,  
0.3278

115.1681, 0.3340,  
0.3282

 34.7981, 0.3445,  
0.3276


145.9844, 0.3324,  
0.3283

 23.5074, 0.3490,  
0.3273


181.8589, 0.3310,  
0.3284

 14.9686, 0.3550,  
0.3269

223.1762, 0.3297,  
0.3284

 8.7974, 0.3633,  
0.3262

270.3205, 0.3287,  
0.3285

 4.6092, 0.3756,  
0.3251

323.6763, 0.3278,

 2.0199, 0.3958,

0.3285

383.6280, 0.3269,  
0.3286

0.3229

0.6190, 0.4640,  
0.3252

0.0000, 0.0000,  
0.0000

67.1729, 0.3382,  
0.3280

67.1729, 0.3382,  
0.3280

55.4330, 0.3618,  
0.3273

80.8506, 0.3194,  
0.3287

45.5349, 0.3911,  
0.3265

96.5385, 0.3043,  
0.3294

37.3878, 0.4269,  
0.3259

97.2589, 0.3035,  
0.3290

30.8899, 0.4691,  
0.3254

■ 25.9285, 0.5160,  
0.3253

■ 22.3774, 0.5630,  
0.3258

■ 20.0899, 0.6031,  
0.3268

■ 18.8875, 0.6294,  
0.3283

■ 18.5345, 0.6378,  
0.3287

# Harmonies

## Analogous

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



67.1729, 0.3258, 0.3152



67.1729, 0.3382, 0.3280



67.1729, 0.3437, 0.3414

# Triad

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



67.1729, 0.3382, 0.3280



67.1729, 0.3148, 0.3535



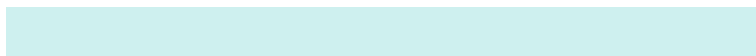
67.1729, 0.2854, 0.3058

# Complementary

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



67.1729, 0.3382, 0.3280



81.6527, 0.2917, 0.3300

# 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.



67.1729, 0.2827, 0.3155



67.1729, 0.3382, 0.3280



67.1729, 0.2994, 0.3434

# Square

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



67.1729, 0.3382, 0.3280



67.1729, 0.3299, 0.3566



67.1729, 0.2878, 0.3292



67.1729, 0.2953, 0.3025



# Rectangle

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



67.1729, 0.3382, 0.3280



67.1729, 0.3426, 0.3489



67.1729, 0.2878, 0.3292



67.1729, 0.2837, 0.3084

# Sweetspot

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



67.1759, 0.3382, 0.3280



93.0427, 0.3191, 0.3287



68.7615, 0.3135, 0.2940



19.6439, 0.3204, 0.3287



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.



67.1759, 0.3382, 0.3280



72.9730, 0.3445, 0.3278



75.1436, 0.3366, 0.3457



15.7664, 0.3289, 0.3283



10.1529, 0.6369, 0.3282



0.8473, 0.6287, 0.3237



# Inverse Universe

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



67.1759, 0.3382, 0.3280



72.9730, 0.3445, 0.3278



72.7903, 0.2906, 0.3117



15.7664, 0.3289, 0.3283



10.1529, 0.6369, 0.3282

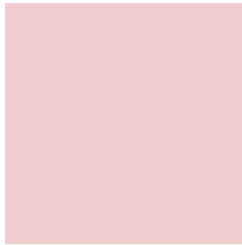


0.8473, 0.6287, 0.3237



# Previews

## White Background



This preview shows how the Yxy color 67.1729, 0.3382, 0.3280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

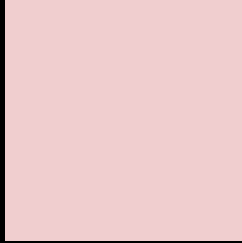
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1729, 0.3382, 0.3280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

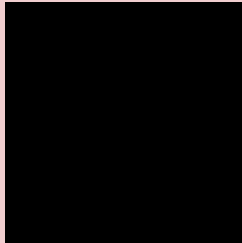
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.1729, 0.3382, 0.3280**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1729, 0.3382, 0.3280.

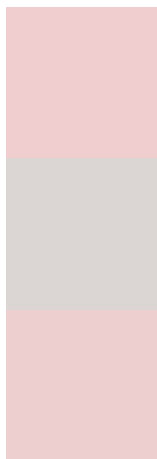


This preview shows how white text looks on a background with the Yxy color 67.1729, 0.3382, 0.3280.

# 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

67.1729, 0.3382, 0.3280

### Protanopia

67.3517, 0.3185, 0.3312

### Deuteranopia

67.1352, 0.3358, 0.3291



## Tritanopia

67.2303, 0.3304, 0.3123

# Trichromacy



## Original Color

67.1729, 0.3382, 0.3280

## Protanomaly

67.0772, 0.3255, 0.3290

## Deuteranomaly

67.3078, 0.3365, 0.3291

## Tritanomaly

67.2697, 0.3332, 0.3185

# Monochromacy



## Original Color

67.1729, 0.3382, 0.3280

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.8986, 0.3217, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1729, 0.3382, 0.3280 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(240, 206, 207)` looks like.

```
.text, #text, p{  
    color:rgb(240, 206, 207)  
}
```

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(240, 206, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 206, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1729, 0.3382, 0.3280 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(240, 206, 207) }
```

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

```
.border{ border-color:rgb(240, 206, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 206, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 206, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 206, 207);  
box-shadow:4px 4px 4px 4px rgb(240, 206,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1729, 0.3382, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 206, 207) }
```

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

```
.background{ background-color: rgb(240,  
206, 207) }
```

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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