

# Converting Colors

$Yxy(66.5970, 0.3673, 0.3444)$

Have a look what the booklet for  
Yxy(66.5970, 0.3673, 0.3444)  
contains.

<b>Yxy(66.5785, 0.3676, 0.3447)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(66.5785, 0.3676, 0.3447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">FFC9BA</a>
RGB	255, 201, 186
RGB Percent	100%, 79%, 73%
CMY	0.0000, 0.2118, 0.2705
CMYK	0.00, 0.21, 0.27, 0.00
HSL	13°, 100%, 86%
HSV	13°, 27%, 100%
XYZ	71.0016, 66.5785, 55.5690
YIQ	215.4360, 36.9990, 6.7830

# Conversions

## Conversions Part 2

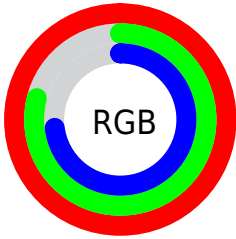
Format	Color
R <sub>Y</sub> B	255, 205, 186
Decimal	16763322
CIE Lab	85.29, 17.08, 14.81
CIE LCh	85, 22.606, 40.931
Yxy	66.5785, 0.3676, 0.3447
Android (android.graphics.Color)	4294953402 (0xFFFFC9BA)
YUV	215.4360, -14.5119, 34.6976
Hunter-Lab	81.5956, 12.5319, 16.7387

# Details

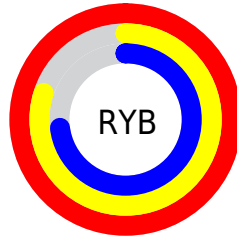
The Yxy color **66.5785, 0.3676, 0.3447** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.9945, 0.2715, 0.3127**, and the grayscale version is **68.3428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **34.4312, 0.3808, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **56.8738, 0.3957, 0.3508**, and if you desaturate by 10%, it is **77.6770, 0.3440, 0.3386**.

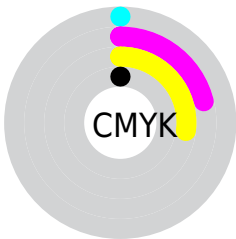
# Distribution



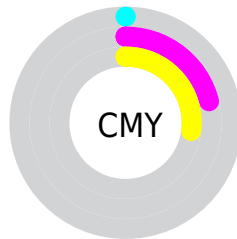
- Red (100%)
- Green (79%)
- Blue (73%)



- Red (100%)
- Yellow (80%)
- Blue (73%)



- Cyan (0%)
- Magenta (21%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5785, 0.3676, 0.3447 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 66.5785, 0.3676, 0.3447 by changing the saturation by 10% instead.





 66.5785, 0.3676,  
0.3447

 66.5785, 0.3676,  
0.3447


448.4430, 0.3415,  
0.3379

 48.7422, 0.3737,  
0.3461

 114.3162, 0.3584,  
0.3424

 34.4150, 0.3813,  
0.3478


144.9864, 0.3549,  
0.3415

 23.2126, 0.3911,  
0.3498


180.7034, 0.3519,  
0.3407

 14.7506, 0.4040,  
0.3522

221.8514, 0.3493,  
0.3400

 8.6445, 0.4219,  
0.3551

268.8150, 0.3470,  
0.3394

 4.5100, 0.4481,  
0.3582

321.9786, 0.3449,

 1.9628, 0.4906,

0.3389

0.3609

381.7264, 0.3432,  
0.3384

0.5857, 0.6261,  
0.3739

0.0000, 0.0000,  
0.0000

66.5785, 0.3676,  
0.3447

66.5785, 0.3676,  
0.3447

56.8738, 0.3957,  
0.3508

77.6770, 0.3440,  
0.3386

48.5205, 0.4289,  
0.3565

90.2367, 0.3244,  
0.3328

41.4534, 0.4666,  
0.3611

100.0000, 0.3127,  
0.3290

35.6072, 0.5074,  
0.3635

■ 30.9108, 0.5481,  
0.3629

■ 27.2851, 0.5842,  
0.3584

■ 24.6396, 0.6111,  
0.3504

■ 24.0266, 0.6174,  
0.3480

# Harmonies

## Analogous

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



66.5785, 0.3542, 0.3212



66.5785, 0.3676, 0.3447



66.5785, 0.3654, 0.3655

# Triad

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



66.5785, 0.3676, 0.3447



66.5785, 0.2947, 0.3605



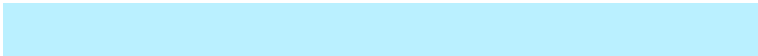
66.5785, 0.2767, 0.2827

# Complementary

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



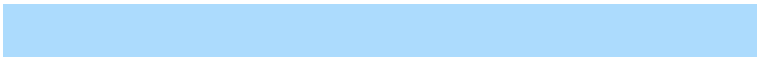
66.5785, 0.3676, 0.3447



79.9945, 0.2715, 0.3127

# 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.



66.5785, 0.2623, 0.2905



66.5785, 0.3676, 0.3447



66.5785, 0.2724, 0.3351

# Square

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



66.5785, 0.3676, 0.3447



66.5785, 0.3226, 0.3764



66.5785, 0.2608, 0.3093



66.5785, 0.3009, 0.2864



# Rectangle

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



66.5785, 0.3676, 0.3447



66.5785, 0.3556, 0.3750



66.5785, 0.2608, 0.3093



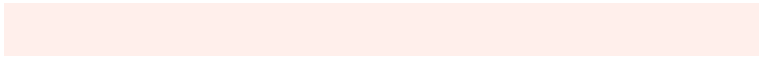
66.5785, 0.2706, 0.2840

# Sweetspot

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



66.5738, 0.3676, 0.3447



88.9849, 0.3261, 0.3334



62.6773, 0.3271, 0.2751



18.6262, 0.3289, 0.3342



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.



66.5738, 0.3676, 0.3447



61.6043, 0.3809, 0.3477



84.4823, 0.3585, 0.3789



18.6262, 0.3289, 0.3342



12.7308, 0.6148, 0.3500

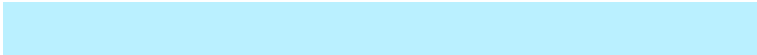


1.3914, 0.5938, 0.3667

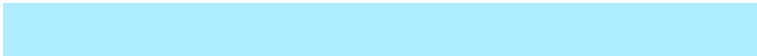


# Inverse Universe

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



79.9945, 0.2715, 0.3127



76.8836, 0.2644, 0.3093



61.5910, 0.2676, 0.2735



19.7728, 0.2980, 0.3237



25.4995, 0.2048, 0.2574



2.6409, 0.2074, 0.2665



# Previews

## White Background



This preview shows how the Yxy color 66.5785, 0.3676, 0.3447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

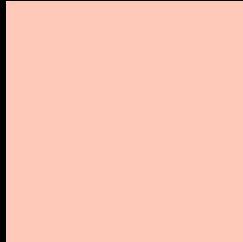
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5785, 0.3676, 0.3447 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 66.5785, 0.3676, 0.3447**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5785, 0.3676, 0.3447.



This preview shows how white text looks on a background with the Yxy color 66.5785, 0.3676, 0.3447.

# 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

66.5785, 0.3676, 0.3447

### Protanopia

66.9239, 0.3342, 0.3526

### Deuteranopia

66.3985, 0.3584, 0.3505



## Tritanopia

66.4016, 0.3475, 0.3148

# Trichromacy



**Original Color**

66.5785, 0.3676, 0.3447

**Protanomaly**

66.8111, 0.3457, 0.3499

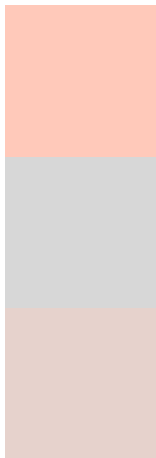
**Deuteranomaly**

66.6450, 0.3619, 0.3492

**Tritanomaly**

66.4186, 0.3545, 0.3250

# Monochromacy



**Original Color**

66.5785, 0.3676, 0.3447

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

67.2758, 0.3321, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5785, 0.3676, 0.3447 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, 201, 186)` looks like.

```
.text, #text, p{  
  color:rgb(255, 201, 186)  
}
```

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, 201, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5785, 0.3676, 0.3447 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, 201, 186) }
```

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

```
.border{ border-color:rgb(255, 201, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5785, 0.3676, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 186) }
```

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

```
.background{ background-color: rgb(255,  
201, 186) }
```

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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