

# Converting Colors

$Y_{xy}(70.5341, 0.3528, 0.3341)$

Have a look what the booklet for  
Yxy(70.5341, 0.3528, 0.3341)  
contains.

|   |    |
|---|----|
| <b>Yxy(70.6835, 0.3526, 0.3342)</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(70.6835, 0.3526, 0.3342)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FFD0CB                    |
| RGB         | 255, 208, 203             |
| RGB Percent | 100%, 82%, 80%            |
| CMY         | 0.0001, 0.1843, 0.2037    |
| CMYK        | 0.00, 0.18, 0.20, 0.00    |
| HSL         | 6°, 100%, 90%             |
| HSV         | 6°, 20%, 100%             |
| XYZ         | 74.5751, 70.6835, 66.2420 |
| YIQ         | 221.4830, 29.6170, 8.4090 |

# Conversions

## Conversions Part 2

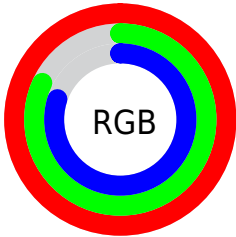
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 255, 209, 203                 |
| Decimal                             | 16765131                      |
| CIE Lab                             | 87.33, 15.77, 8.69            |
| CIE LCh                             | 87, 18.007, 28.851            |
| Yxy                                 | 70.6835, 0.3526,<br>0.3342    |
| Android<br>(android.graphics.Color) | 4294955211<br>(0xFFFFD0CB)    |
| YUV                                 | 221.4830, -9.1121,<br>29.3944 |
| Hunter-Lab                          | 84.0735, 11.2050,<br>12.1365  |

# Details

The Yxy color **70.6835, 0.3526, 0.3342** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.3081, 0.2818, 0.3237**, and the grayscale version is **72.7161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2869, 0.3626, 0.3357** is the 20% darker color. If you saturate the color by 10%, you get **59.1281, 0.3793, 0.3370**, and if you desaturate by 10%, it is **84.0806, 0.3309, 0.3316**.

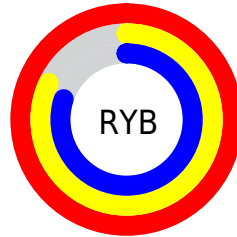
# Distribution



Red (100%)

Green (82%)

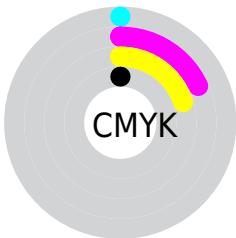
Blue (80%)



Red (100%)

Yellow (82%)

Blue (80%)

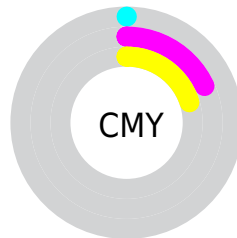


Cyan (0%)

Magenta (18%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6835, 0.3526, 0.3342 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 70.6835, 0.3526, 0.3342 by changing the saturation by 10% instead.



 70.6835, 0.3526,  
0.3342

 70.6835, 0.3526,  
0.3342


462.9463, 0.3339,  
0.3321

 52.0840, 0.3569,  
0.3346

120.1830, 0.3461,  
0.3335

 37.0720, 0.3623,  
0.3351


151.8517, 0.3435,  
0.3332

 25.2632, 0.3692,  
0.3356


188.6455, 0.3414,  
0.3330

 16.2733, 0.3783,  
0.3363

230.9490, 0.3395,  
0.3328

 9.7177, 0.3907,  
0.3369

279.1464, 0.3378,  
0.3326

 5.2122, 0.4090,  
0.3374

333.6221, 0.3364,

 2.3723, 0.4382,

0.3324

0.3373

394.7606, 0.3351,  
0.3322

0.8116, 0.5239,  
0.3552

0.0000, 1.0000,  
0.0000

70.6835, 0.3526,  
0.3342

70.6835, 0.3526,  
0.3342

59.1281, 0.3793,  
0.3370

84.0806, 0.3309,  
0.3316

49.3246, 0.4118,  
0.3396

99.3847, 0.3133,  
0.3291

41.1902, 0.4503,  
0.3420

99.9968, 0.3127,  
0.3290

34.6319, 0.4940,  
0.3435

■ 29.5472, 0.5398,  
0.3437

■ 25.8217, 0.5826,  
0.3421

■ 23.3236, 0.6155,  
0.3386

■ 21.9247, 0.6343,  
0.3346

# Harmonies

## Analogous

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



70.6835, 0.3381, 0.3159



70.6835, 0.3526, 0.3342



70.6835, 0.3559, 0.3519

# Triad

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



70.6835, 0.3526, 0.3342



70.6835, 0.3074, 0.3595



70.6835, 0.2787, 0.2940

# Complementary

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



70.6835, 0.3526, 0.3342



88.3081, 0.2818, 0.3237

# 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.



70.6835, 0.2713, 0.3041



70.6835, 0.3526, 0.3342



70.6835, 0.2874, 0.3422

# Square

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



70.6835, 0.3526, 0.3342



70.6835, 0.3293, 0.3676



70.6835, 0.2744, 0.3216



70.6835, 0.2952, 0.2931



# Rectangle

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



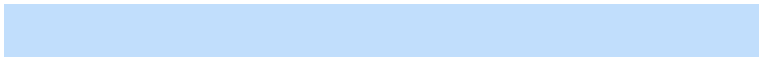
70.6835, 0.3526, 0.3342



70.6835, 0.3514, 0.3612



70.6835, 0.2744, 0.3216



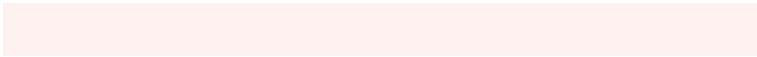
70.6835, 0.2751, 0.2964

# Sweetspot

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



70.6867, 0.3526, 0.3342



90.5395, 0.3227, 0.3305



70.9349, 0.3181, 0.2822



19.1678, 0.3239, 0.3306



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.



70.6867, 0.3526, 0.3342



66.2902, 0.3617, 0.3352



84.0436, 0.3476, 0.3595



18.2659, 0.3292, 0.3313



11.5500, 0.6328, 0.3357



1.2138, 0.6187, 0.3470



# Inverse Universe

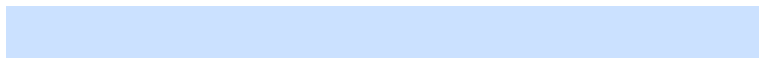
The Inverse Universe completely reimagines the original color for something new.



88.3081, 0.2818, 0.3237



86.5104, 0.2767, 0.3227



73.6041, 0.2801, 0.2965



20.1673, 0.2980, 0.3267



33.6542, 0.2163, 0.2987

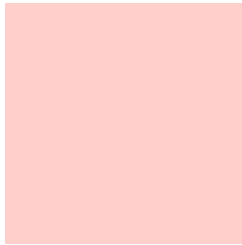


3.3595, 0.2173, 0.3024



# Previews

## White Background



This preview shows how the Yxy color 70.6835, 0.3526, 0.3342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

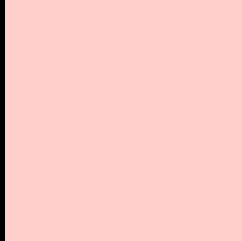
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6835, 0.3526, 0.3342 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 70.6835, 0.3526, 0.3342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6835, 0.3526, 0.3342.

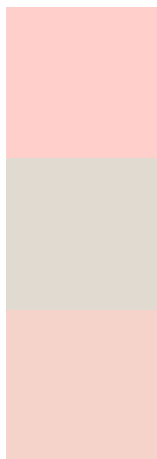


This preview shows how white text looks on a background with the Yxy color 70.6835, 0.3526, 0.3342.

# 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

70.6835, 0.3526, 0.3342

### Protanopia

70.7538, 0.3239, 0.3389

### Deuteranopia

70.4456, 0.3458, 0.3385



## Tritanopia

70.6231, 0.3394, 0.3139

# Trichromacy



## Original Color

70.6835, 0.3526, 0.3342

## Protanomaly

70.4310, 0.3340, 0.3365

## Deuteranomaly

70.4972, 0.3483, 0.3374

## Tritanomaly

70.7407, 0.3445, 0.3220

# Monochromacy



## Original Color

70.6835, 0.3526, 0.3342

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.2904, 0.3266, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6835, 0.3526, 0.3342 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, 208, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 203)  
}
```

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, 208, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6835, 0.3526, 0.3342 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, 208, 203) }
```

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

```
.border{ border-color:rgb(255, 208, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6835, 0.3526, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 203) }
```

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

```
.background{ background-color: rgb(255,  
208, 203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor