

# Converting Colors

$Y_{xy}(70.7655, 0.4059, 0.3350)$

Have a look what the booklet for  
Yxy(70.7655, 0.4059, 0.3350)  
contains.

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# Color

**Yxy(61.9823, 0.3720, 0.3365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFB8
RGB	255, 191, 184
RGB Percent	100%, 75%, 72%
CMY	0.0000, 0.2509, 0.2785
CMYK	0.00, 0.25, 0.28, 0.00
HSL	6°, 100%, 86%
HSV	6°, 28%, 100%
XYZ	68.5213, 61.9823, 53.6934
YIQ	209.3380, 40.3910, 11.3910

# Conversions

## Conversions Part 2

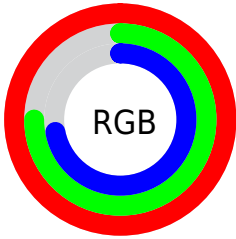
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 192, 184
Decimal	16760760
CIE <sub>Lab</sub>	82.90, 22.02, 12.51
CIE <sub>LCh</sub>	83, 25.328, 29.610
Yxy	61.9823, 0.3720, 0.3365
Android (android.graphics.Color)	4294950840 (0xFFFFBFB8)
YUV	209.3380, -12.4916, 40.0456
Hunter-Lab	78.7288, 17.5812, 14.6741

# Details

The Yxy color **61.9823, 0.3720, 0.3365** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.5324, 0.2713, 0.3213**, and the grayscale version is **64.0574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6861, 0.3220, 0.3368**, and **31.4003, 0.3874, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **51.7611, 0.4029, 0.3393**, and if you desaturate by 10%, it is **73.9745, 0.3467, 0.3337**.

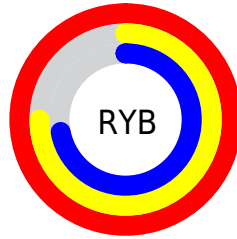
# Distribution



Red (100%)

Green (75%)

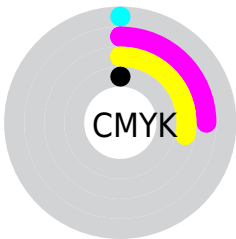
Blue (72%)



Red (100%)

Yellow (75%)

Blue (72%)

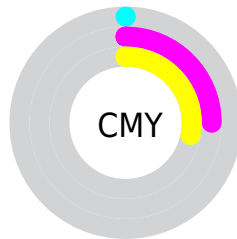


Cyan (0%)

Magenta (25%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9823, 0.3720, 0.3365 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 61.9823, 0.3720, 0.3365 by changing the saturation by 10% instead.




 61.9823, 0.3720,  
0.3365

 61.9823, 0.3720,  
0.3365


431.8665, 0.3435,  
0.3336

 45.0184, 0.3788,  
0.3370


 107.6999, 0.3619,  
0.3356

 31.4719, 0.3873,  
0.3376


137.2225, 0.3580,  
0.3352

 20.9585, 0.3983,  
0.3381


171.7000, 0.3547,  
0.3349

 13.0936, 0.4130,  
0.3386

211.5170, 0.3519,  
0.3346

 7.4931, 0.4336,  
0.3386

257.0577, 0.3494,  
0.3343

 3.7723, 0.4646,  
0.3376

308.7066, 0.3472,

 1.5470, 0.5182,

0.3340

0.3346

366.8481, 0.3452,  
0.3338

0.3215, 0.7240,  
0.2760

0.0000, 0.0000,  
0.0000

61.9823, 0.3720,  
0.3365

61.9823, 0.3720,  
0.3365

51.7611, 0.4029,  
0.3393

73.9745, 0.3467,  
0.3337

43.2187, 0.4398,  
0.3419

87.8069, 0.3261,  
0.3310

36.2677, 0.4823,  
0.3437

99.9999, 0.3127,  
0.3290

30.8095, 0.5279,  
0.3443

■ 26.7342, 0.5719,  
0.3432

■ 23.9168, 0.6080,  
0.3400

■ 22.2080, 0.6306,  
0.3355

■ 21.9638, 0.6340,  
0.3348

# Harmonies

## Analogous

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



61.9823, 0.3507, 0.3103



61.9823, 0.3720, 0.3365



61.9823, 0.3763, 0.3623

# Triad

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



61.9823, 0.3720, 0.3365



61.9823, 0.3037, 0.3741



61.9823, 0.2638, 0.2779

# Complementary

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



61.9823, 0.3720, 0.3365



84.5324, 0.2713, 0.3213

# 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.



61.9823, 0.2528, 0.2915



61.9823, 0.3720, 0.3365



61.9823, 0.2750, 0.3477

# Square

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



61.9823, 0.3720, 0.3365



61.9823, 0.3358, 0.3863



61.9823, 0.2568, 0.3167



61.9823, 0.2876, 0.2775



# Rectangle

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



61.9823, 0.3720, 0.3365



61.9823, 0.3690, 0.3760



61.9823, 0.2568, 0.3167



61.9823, 0.2585, 0.2809

# Sweetspot

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



61.9852, 0.3720, 0.3365



87.5814, 0.3264, 0.3310



62.3814, 0.3204, 0.2648



18.2757, 0.3292, 0.3314



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.



61.9852, 0.3720, 0.3365



56.5016, 0.3872, 0.3380



78.7936, 0.3625, 0.3713



18.2757, 0.3292, 0.3314



11.5712, 0.6325, 0.3360



1.2184, 0.6180, 0.3475



# Inverse Universe

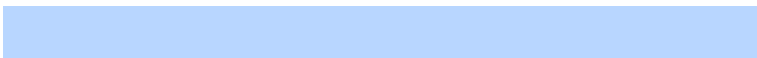
The Inverse Universe completely reimagines the original color for something new.



84.5324, 0.2713, 0.3213



82.1891, 0.2644, 0.3197



65.2885, 0.2673, 0.2826



20.1564, 0.2980, 0.3266



33.4105, 0.2160, 0.2976



3.3382, 0.2171, 0.3015



# Previews

## White Background



This preview shows how the Yxy color 61.9823, 0.3720, 0.3365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

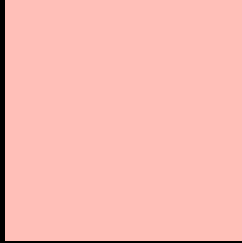
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.9823, 0.3720, 0.3365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

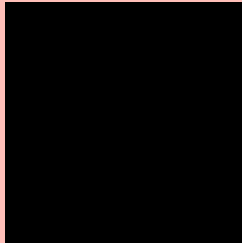
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.9823, 0.3720, 0.3365**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9823, 0.3720, 0.3365.

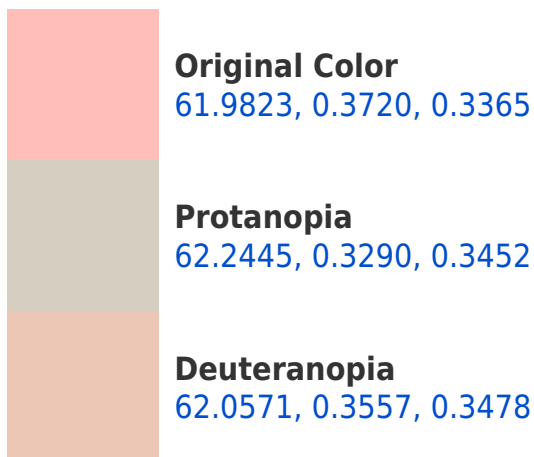


This preview shows how white text looks on a background with the Yxy color 61.9823, 0.3720, 0.3365.

# 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

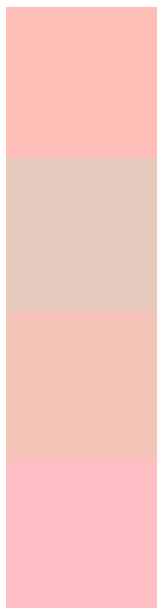




## Tritanopia

61.9670, 0.3565, 0.3146

# Trichromacy



## Original Color

61.9823, 0.3720, 0.3365

## Protanomaly

62.1054, 0.3440, 0.3425

## Deuteranomaly

61.9534, 0.3614, 0.3432

## Tritanomaly

62.0724, 0.3622, 0.3229

# Monochromacy



## Original Color

61.9823, 0.3720, 0.3365

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

62.5799, 0.3330, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9823, 0.3720, 0.3365 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, 191, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 184)  
}
```

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, 191, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9823, 0.3720, 0.3365 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, 191, 184) }
```

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

```
.border{ border-color:rgb(255, 191, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9823, 0.3720, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 184) }
```

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

```
.background{ background-color: rgb(255,  
191, 184) }
```

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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