

# Converting Colors

$Y_{xy}(71.2913, 0.3607, 0.2732)$

Have a look what the booklet for  
Yxy(71.2913, 0.3607, 0.2732)  
contains.

<b>Yxy(61.3085, 0.3236, 0.2665)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(61.3085, 0.3236, 0.2665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6F5
RGB	255, 182, 245
RGB Percent	100%, 71%, 96%
CMY	0.0001, 0.2862, 0.0392
CMYK	0.00, 0.29, 0.04, 0.00
HSL	308°, 100%, 86%
HSV	308°, 29%, 100%
XYZ	74.4444, 61.3085, 94.2978
YIQ	211.0090, 23.2850, 35.0690

# Conversions

## Conversions Part 2

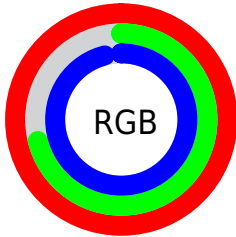
Format	Color
R <sub>Y</sub> B	255, 182, 245
Decimal	16758517
CIE Lab	82.54, 36.13, -20.73
CIE LCh	83, 41.660, 330.152
Yxy	61.3085, 0.3236, 0.2665
Android (android.graphics.Color)	4294948597 (0xFFFFB6F5)
YUV	211.0090, 16.7576, 38.5801
Hunter-Lab	78.2997, 32.6864, -16.5942

# Details

The Yxy color **61.3085, 0.3236, 0.2665** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **85.2610, 0.3035, 0.4008**, and the grayscale version is **65.0250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2130, 0.3134, 0.3136**, and **30.9828, 0.3248, 0.2520** is the 20% darker color. If you saturate the color by 10%, you get **51.5889, 0.3283, 0.2449**, and if you desaturate by 10%, it is **72.9389, 0.3194, 0.2887**.

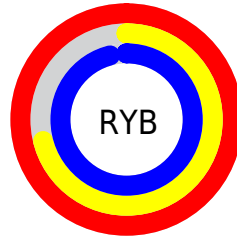
# Distribution



Red (100%)

Green (71%)

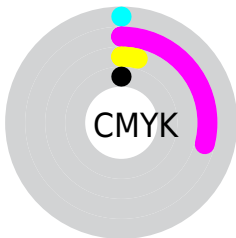
Blue (96%)



Red (100%)

Yellow (71%)

Blue (96%)

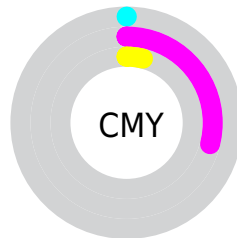


Cyan (0%)

Magenta (29%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3085, 0.3236, 0.2665 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 61.3085, 0.3236, 0.2665 by changing the saturation by 10% instead.



 61.3085, 0.3236,  
0.2665

 61.3085, 0.3236,  
0.2665


429.4042, 0.3191,  
0.2947

 44.4742, 0.3245,  
0.2603


 106.7255, 0.3221,  
0.2761

 31.0435, 0.3255,  
0.2527


136.0770, 0.3216,  
0.2799

 20.6319, 0.3268,  
0.2432

170.3696, 0.3210,  
0.2832

 12.8552, 0.3282,  
0.2311

209.9878, 0.3206,  
0.2860

 7.3289, 0.3298,  
0.2152

255.3160, 0.3201,  
0.2886

 3.6687, 0.3315,  
0.1933

306.7385, 0.3198,


 1.4900, 0.3328,


0.2908


0.1617

364.6398, 0.3194,  
0.2928

 0.2817, 0.3433,  
0.0813

 0.0000, 0.1505,  
0.0000


 61.3085, 0.3236,  
0.2665


 61.3085, 0.3236,  
0.2665

 51.5889, 0.3283,  
0.2449

 72.9389, 0.3194,  
0.2887

 43.6688, 0.3333,  
0.2247

 86.5675, 0.3156,  
0.3107

 37.4377, 0.3386,  
0.2069

99.9966, 0.3127,  
0.3290

 32.7697, 0.3439,  
0.1926

■ 29.5214, 0.3492,  
0.1824

■ 27.5227, 0.3543,  
0.1768

■ 26.5320, 0.3590,  
0.1755

■ 26.4298, 0.3596,  
0.1755

# Harmonies

## Analogous

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



61.3085, 0.2720, 0.2477



61.3085, 0.3236, 0.2665



61.3085, 0.3762, 0.2989

# Triad

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



61.3085, 0.3236, 0.2665



61.3085, 0.3928, 0.4136



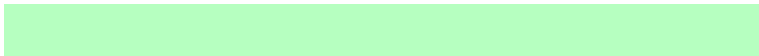
61.3085, 0.2227, 0.3057

# Complementary

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



61.3085, 0.3236, 0.2665



85.2610, 0.3035, 0.4008

# 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.



61.3085, 0.2501, 0.3586



61.3085, 0.3236, 0.2665



61.3085, 0.3476, 0.4256

# Square

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



61.3085, 0.3236, 0.2665



61.3085, 0.4173, 0.3805



61.3085, 0.2953, 0.4057



61.3085, 0.2176, 0.2660



# Rectangle

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



61.3085, 0.3236, 0.2665



61.3085, 0.4028, 0.3254



61.3085, 0.2953, 0.4057



61.3085, 0.2295, 0.3226

# Sweetspot

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



61.3112, 0.3236, 0.2665



86.0209, 0.3157, 0.3098



51.8537, 0.2689, 0.2470



17.9626, 0.3162, 0.3067



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.



61.3112, 0.3236, 0.2665



55.8558, 0.3261, 0.2547



59.3105, 0.3530, 0.3015



18.2551, 0.3159, 0.3087



13.8288, 0.3589, 0.1751



1.3578, 0.3539, 0.1723



# Inverse Universe

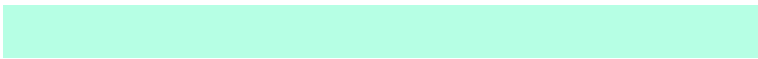
The Inverse Universe completely reimagines the original color for something new.



61.3112, 0.3236, 0.2665



55.8558, 0.3261, 0.2547



87.0696, 0.2844, 0.3585



18.2551, 0.3159, 0.3087



13.8288, 0.3589, 0.1751



1.3578, 0.3539, 0.1723



# Previews

## White Background



This preview shows how the Yxy color 61.3085, 0.3236, 0.2665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

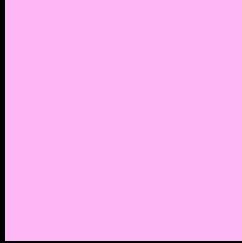
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.3085, 0.3236, 0.2665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

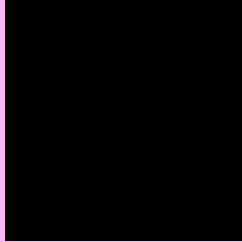
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.3085, 0.3236, 0.2665**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.3085, 0.3236, 0.2665.



This preview shows how white text looks on a background with the Yxy color 61.3085, 0.3236, 0.2665.

# 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

61.3085, 0.3236, 0.2665

### Protanopia

61.7432, 0.2719, 0.2724

### Deuteranopia

61.5341, 0.2905, 0.2848



## Tritanopia

61.5105, 0.3514, 0.3144

# Trichromacy



## Original Color

61.3085, 0.3236, 0.2665



## Protanomaly

61.0438, 0.2896, 0.2700



## Deuteranomaly

61.0019, 0.3022, 0.2777



## Tritanomaly

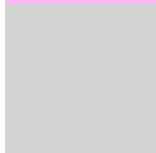
61.3506, 0.3412, 0.2961

# Monochromacy



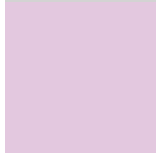
## Original Color

61.3085, 0.3236, 0.2665



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

62.9672, 0.3170, 0.3040

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.3085, 0.3236, 0.2665 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, 182, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 245)  
}
```

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, 182, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 61.3085, 0.3236, 0.2665 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, 182, 245) }
```

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

```
.border{ border-color:rgb(255, 182, 245) }
```

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

Here you see how a box with a 4 pixel rgb(255, 182, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.3085, 0.3236, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 245) }
```

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

```
.background{ background-color: rgb(255,  
182, 245) }
```

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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