

# Converting Colors

$Y_{xy}(62.7642, 0.3267, 0.2746)$

Have a look what the booklet for  
Yxy(62.7642, 0.3267, 0.2746)  
contains.

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# Color

**Yxy(62.7287, 0.3264, 0.2742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAF1
RGB	255, 186, 241
RGB Percent	100%, 73%, 95%
CMY	0.0000, 0.2705, 0.0550
CMYK	0.00, 0.27, 0.05, 0.00
HSL	312°, 100%, 86%
HSV	312°, 27%, 100%
XYZ	74.6705, 62.7287, 91.3707
YIQ	212.9010, 23.4690, 31.7330

# Conversions

## Conversions Part 2

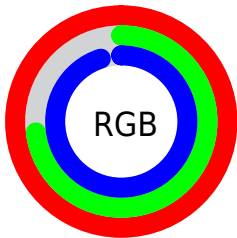
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	255, 186, 241
Decimal	16759537
CIELab	83.30, 33.35, -17.44
CIElCh	83, 37.630, 332.391
Yxy	62.7287, 0.3264, 0.2742
Android (android.graphics.Color)	4294949617 (0xFFFFBAF1)
YUV	212.9010, 13.8528, 36.9208
Hunter-Lab	79.2015, 29.6858, -12.9588

# Details

The Yxy color  $62.7287, 0.3264, 0.2742$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $86.1275, 0.3015, 0.3909$ , and the grayscale version is  $66.3651, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.5812, 0.3133, 0.3175$ , and  $31.8756, 0.3285, 0.2616$  is the 20% darker color. If you saturate the color by 10%, you get  $52.6230, 0.3328, 0.2538$ , and if you desaturate by 10%, it is  $74.7658, 0.3207, 0.2949$ .

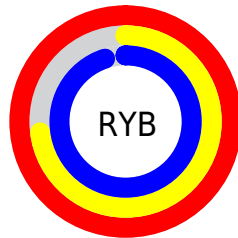
# Distribution



Red (100%)

Green (73%)

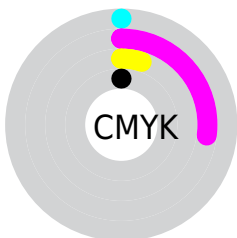
Blue (95%)



Red (100%)

Yellow (73%)

Blue (95%)

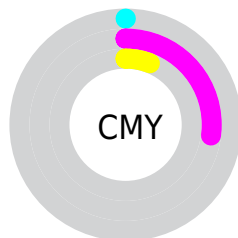


Cyan (0%)

Magenta (27%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7287, 0.3264, 0.2742 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 62.7287, 0.3264, 0.2742 by changing the saturation by 10% instead.





 62.7287, 0.3264,  
0.2742

 62.7287, 0.3264,  
0.2742


434.5842, 0.3205,  
0.2990

 45.6218, 0.3277,  
0.2687


 108.7780, 0.3244,  
0.2827

 31.9475, 0.3292,  
0.2619


138.4892, 0.3236,  
0.2860

 21.3214, 0.3310,  
0.2535

173.1706, 0.3229,  
0.2889

 13.3591, 0.3333,  
0.2427

213.2065, 0.3223,  
0.2914

 7.6763, 0.3362,  
0.2284

258.9815, 0.3218,  
0.2936

 3.8885, 0.3399,  
0.2086

310.8798, 0.3213,

 1.6114, 0.3446,

0.2956

0.1795

369.2859, 0.3209,  
0.2974

0.3653, 0.3599,  
0.1092

0.0000, 0.2093,  
0.0000

62.7287, 0.3264,  
0.2742

62.7287, 0.3264,  
0.2742

52.6230, 0.3328,  
0.2538

74.7658, 0.3207,  
0.2949

44.3383, 0.3399,  
0.2345

88.8204, 0.3158,  
0.3152

37.7659, 0.3475,  
0.2173

99.9986, 0.3127,  
0.3290

32.7822, 0.3555,  
0.2032

■ 29.2468, 0.3637,  
0.1932

■ 26.9946, 0.3716,  
0.1879

■ 25.8152, 0.3792,  
0.1872

■ 25.5786, 0.3815,  
0.1875

# Harmonies

## Analogous

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



62.7287, 0.2794, 0.2560



62.7287, 0.3264, 0.2742



62.7287, 0.3727, 0.3046

# Triad

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



62.7287, 0.3264, 0.2742



62.7287, 0.3825, 0.4069



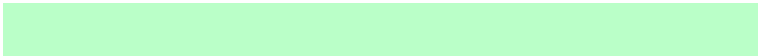
62.7287, 0.2303, 0.3054

# Complementary

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



62.7287, 0.3264, 0.2742



86.1275, 0.3015, 0.3909

# 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.



62.7287, 0.2540, 0.3521



62.7287, 0.3264, 0.2742



62.7287, 0.3412, 0.4148

# Square

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



62.7287, 0.3264, 0.2742



62.7287, 0.4059, 0.3788



62.7287, 0.2941, 0.3946



62.7287, 0.2270, 0.2706



# Rectangle

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



62.7287, 0.3264, 0.2742



62.7287, 0.3954, 0.3290



62.7287, 0.2941, 0.3946



62.7287, 0.2360, 0.3202

# Sweetspot

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



62.7315, 0.3264, 0.2742



87.4037, 0.3162, 0.3133



54.5962, 0.2749, 0.2528



18.2334, 0.3169, 0.3103



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.



62.7315, 0.3264, 0.2742



57.4984, 0.3295, 0.2640



60.8728, 0.3540, 0.3077



18.2334, 0.3169, 0.3103



13.3884, 0.3803, 0.1868



1.3188, 0.3722, 0.1824



# Inverse Universe

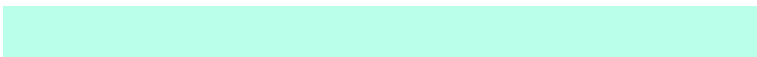
The Inverse Universe completely reimagines the original color for something new.



62.7315, 0.3264, 0.2742



57.4984, 0.3295, 0.2640



87.9137, 0.2835, 0.3515



18.2334, 0.3169, 0.3103



13.3884, 0.3803, 0.1868



1.3188, 0.3722, 0.1824



# Previews

## White Background



This preview shows how the Yxy color 62.7287, 0.3264, 0.2742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

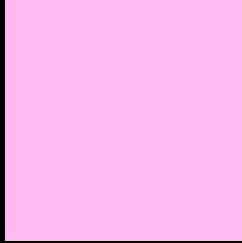
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7287, 0.3264, 0.2742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

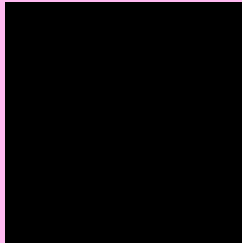
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.7287, 0.3264, 0.2742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7287, 0.3264, 0.2742.



This preview shows how white text looks on a background with the Yxy color 62.7287, 0.3264, 0.2742.

# 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

62.7287, 0.3264, 0.2742

### Protanopia

63.1687, 0.2753, 0.2761

### Deuteranopia

63.1811, 0.2968, 0.2906



## Tritanopia

62.7135, 0.3494, 0.3135

# Trichromacy



## Original Color

62.7287, 0.3264, 0.2742



## Protanomaly

62.5918, 0.2924, 0.2755



## Deuteranomaly

62.8225, 0.3072, 0.2844



## Tritanomaly

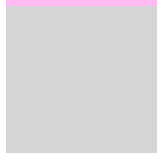
62.6368, 0.3408, 0.2992

# Monochromacy



## Original Color

62.7287, 0.3264, 0.2742



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

64.5336, 0.3175, 0.3074

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7287, 0.3264, 0.2742 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, 186, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 241)  
}
```

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, 186, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7287, 0.3264, 0.2742 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, 186, 241) }
```

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

```
.border{ border-color:rgb(255, 186, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7287, 0.3264, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 241) }
```

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

```
.background{ background-color: rgb(255,  
186, 241) }
```

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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