

# Converting Colors

$Y_{xy}(62.0959, 0.3230, 0.2781)$

Have a look what the booklet for  
Yxy(62.0959, 0.3230, 0.2781)  
contains.

<b>Yxy(62.0959, 0.3230, 0.2781)</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(62.0959, 0.3230, 0.2781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8BCEE
RGB	248, 188, 238
RGB Percent	97%, 74%, 93%
CMY	0.0275, 0.2627, 0.0667
CMYK	0.00, 0.24, 0.04, 0.03
HSL	310°, 81%, 85%
HSV	310°, 24%, 97%
XYZ	72.1215, 62.0959, 89.0689
YIQ	211.6400, 19.7100, 28.2700

# Conversions

## Conversions Part 2

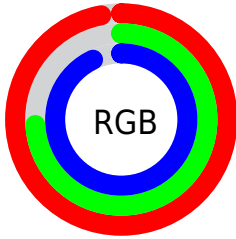
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 188, 238
Decimal	16301294
CIE Lab	82.96, 29.48, -16.42
CIE LCh	83, 33.743, 330.883
Yxy	62.0959, 0.3230, 0.2781
Android (android.graphics.Color)	4294491374 (0xFFF8BCEE)
YUV	211.6400, 12.9955, 31.8877
Hunter-Lab	78.8010, 25.4679, -11.8549

# Details

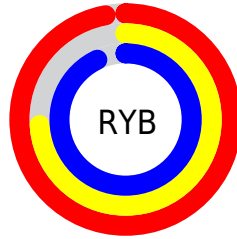
The Yxy color  $62.0959, 0.3230, 0.2781$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $81.8943, 0.3039, 0.3859$ , and the grayscale version is  $65.4904, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $93.7848, 0.3132, 0.3194$ , and  $31.5040, 0.3251, 0.2664$  is the 20% darker color. If you saturate the color by 10%, you get  $52.1573, 0.3282, 0.2568$ , and if you desaturate by 10%, it is  $73.8659, 0.3183, 0.2996$ .

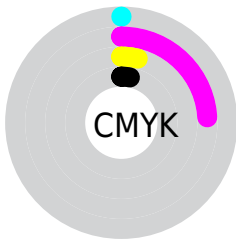
# Distribution



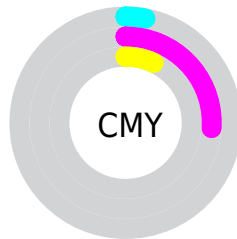
- Red (97%)
- Green (74%)
- Blue (93%)



- Red (97%)
- Yellow (74%)
- Blue (93%)



- Cyan (0%)
- Magenta (24%)
- Yellow (4%)
- Black (3%)




- Cyan (3%)
- Magenta (26%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.0959, 0.3230, 0.2781 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 62.0959, 0.3230, 0.2781 by changing the saturation by 10% instead.



 62.0959, 0.3230,  
0.2781

 62.0959, 0.3230,  
0.2781


432.2808, 0.3186,  
0.3013

 45.1102, 0.3239,  
0.2729

 107.8641, 0.3215,  
0.2861

 31.5442, 0.3250,  
0.2666


137.4154, 0.3209,  
0.2892

 21.0136, 0.3264,  
0.2586


171.9241, 0.3204,  
0.2919

 13.1340, 0.3280,  
0.2483

211.7744, 0.3200,  
0.2942

 7.5209, 0.3301,  
0.2346

257.3508, 0.3196,  
0.2963

 3.7899, 0.3326,  
0.2154

309.0378, 0.3192,

 1.5568, 0.3356,

0.2981

0.1869

367.2197, 0.3189,  
0.2998

0.3282, 0.3502,  
0.1099

0.0000, 0.0000,  
0.0000

62.0959, 0.3230,  
0.2781

62.0959, 0.3230,  
0.2781

52.1573, 0.3282,  
0.2568

73.8659, 0.3183,  
0.2996

43.9487, 0.3340,  
0.2364

87.5455, 0.3143,  
0.3205

37.3716, 0.3402,  
0.2179

98.3995, 0.3110,  
0.3335

32.3142, 0.3467,  
0.2023

98.6620, 0.3087,  
0.3295

■ 28.6504, 0.3532,  
0.1905

■ 98.6932, 0.3084,  
0.3290

■ 26.2342, 0.3596,  
0.1833

■ 24.8866, 0.3657,  
0.1806

■ 24.4427, 0.3691,  
0.1807

# Harmonies

## Analogous

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



62.0959, 0.2808, 0.2622



62.0959, 0.3230, 0.2781



62.0959, 0.3649, 0.3055

# Triad

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



62.0959, 0.3230, 0.2781



62.0959, 0.3774, 0.3985



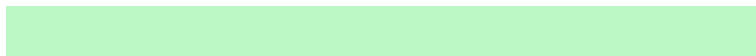
62.0959, 0.2387, 0.3101

# Complementary

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



62.0959, 0.3230, 0.2781



81.8943, 0.3039, 0.3859

# 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.



62.0959, 0.2613, 0.3520



62.0959, 0.3230, 0.2781



62.0959, 0.3408, 0.4061

# Square

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



62.0959, 0.3230, 0.2781



62.0959, 0.3971, 0.3730



62.0959, 0.2983, 0.3890



62.0959, 0.2346, 0.2777



# Rectangle

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



62.0959, 0.3230, 0.2781



62.0959, 0.3858, 0.3277



62.0959, 0.2983, 0.3890



62.0959, 0.2443, 0.3236

# Sweetspot

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



62.0986, 0.3230, 0.2781



88.9453, 0.3154, 0.3147



54.6205, 0.2775, 0.2615



18.8444, 0.3156, 0.3134



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.



62.0986, 0.3230, 0.2781



60.7801, 0.3255, 0.2677



60.5295, 0.3459, 0.3070



17.4720, 0.3164, 0.3095



13.2242, 0.3682, 0.1802



1.2375, 0.3615, 0.1765



# Inverse Universe

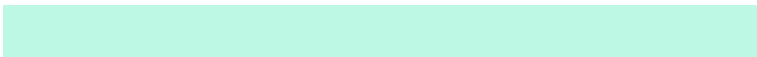
The Inverse Universe completely reimagines the original color for something new.



62.0986, 0.3230, 0.2781



60.7801, 0.3255, 0.2677



83.3627, 0.2880, 0.3522



17.4720, 0.3164, 0.3095



13.2242, 0.3682, 0.1802



1.2375, 0.3615, 0.1765



# Previews

## White Background



This preview shows how the Yxy color 62.0959, 0.3230, 0.2781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

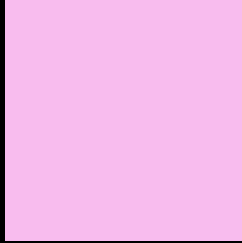
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.0959, 0.3230, 0.2781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

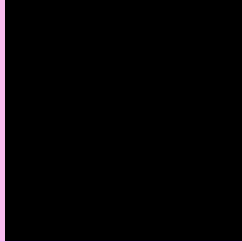
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.0959, 0.3230, 0.2781**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.0959, 0.3230, 0.2781.



This preview shows how white text looks on a background with the Yxy color 62.0959, 0.3230, 0.2781.

# 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

62.0959, 0.3230, 0.2781

### Protanopia

62.3725, 0.2782, 0.2800

### Deuteranopia

62.5354, 0.2988, 0.2927



## Tritanopia

61.9271, 0.3427, 0.3132

# Trichromacy



## Original Color

62.0959, 0.3230, 0.2781



## Protanomaly

62.0383, 0.2936, 0.2792



## Deuteranomaly

62.1574, 0.3071, 0.2871



## Tritanomaly

61.7886, 0.3350, 0.2997

# Monochromacy



## Original Color

62.0959, 0.3230, 0.2781



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

63.9399, 0.3167, 0.3093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.0959, 0.3230, 0.2781 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(248, 188, 238)` looks like.

```
.text, #text, p{  
    color:rgb(248, 188, 238)  
}
```

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(248, 188, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 188, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 62.0959, 0.3230, 0.2781 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(248, 188, 238) }
```

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

```
.border{ border-color:rgb(248, 188, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 188, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 188, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 188, 238);  
box-shadow:4px 4px 4px 4px rgb(248, 188,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.0959, 0.3230, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 188, 238) }
```

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

```
.background{ background-color: rgb(248,  
188, 238) }
```

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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