

# Converting Colors

$Y_{xy}(63.0228, 0.3290, 0.2803)$

Have a look what the booklet for  
Yxy(63.0228, 0.3290, 0.2803)  
contains.

<b>Yxy(63.0934, 0.3293, 0.2808)</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(63.0934, 0.3293, 0.2808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEBCEC
RGB	254, 188, 236
RGB Percent	100%, 74%, 93%
CMY	0.0039, 0.2627, 0.0747
CMYK	0.00, 0.26, 0.07, 0.00
HSL	316°, 97%, 87%
HSV	316°, 26%, 100%
XYZ	73.9909, 63.0934, 87.6073
YIQ	213.2060, 23.9280, 28.9200

# Conversions

## Conversions Part 2

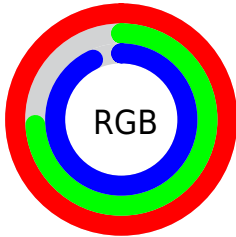
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	254, 188, 236
Decimal	16694508
CIE <sub>Lab</sub>	83.49, 31.11, -14.48
CIE <sub>LCh</sub>	83, 34.319, 335.041
Yxy	63.0934, 0.3293, 0.2808
Android (android.graphics.Color)	4294884588 (0xFFFEBC <sub>EC</sub> )
YUV	213.2060, 11.2374, 35.7763
Hunter-Lab	79.4314, 27.2693, -9.7908

# Details

The Yxy color **63.0934, 0.3293, 0.2808** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.0327, 0.2995, 0.3826**, and the grayscale version is **66.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **32.2158, 0.3335, 0.2700** is the 20% darker color. If you saturate the color by 10%, you get **52.7859, 0.3376, 0.2619**, and if you desaturate by 10%, it is **75.3319, 0.3221, 0.2998**.

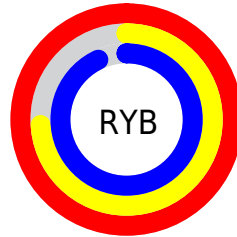
# Distribution



Red (100%)

Green (74%)

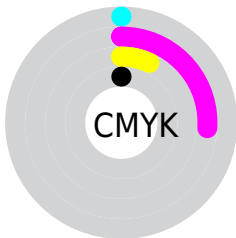
Blue (93%)



Red (100%)

Yellow (74%)

Blue (93%)

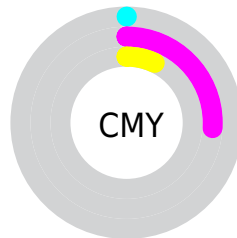


Cyan (0%)

Magenta (26%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0934, 0.3293, 0.2808 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 63.0934, 0.3293, 0.2808 by changing the saturation by 10% instead.





 63.0934, 0.3293,  
0.2808

 63.0934, 0.3293,  
0.2808

435.9084, 0.3219,  
0.3027

 45.9168, 0.3309,  
0.2759


 109.3042, 0.3268,  
0.2883

 32.1801, 0.3329,  
0.2699


139.1073, 0.3258,  
0.2913

 21.4991, 0.3354,  
0.2623

173.8879, 0.3249,  
0.2938

 13.4893, 0.3386,  
0.2526

214.0304, 0.3242,  
0.2961

 7.7664, 0.3427,  
0.2397

259.9194, 0.3235,  
0.2980

 3.9458, 0.3484,  
0.2215


311.9391, 0.3229,


 1.6433, 0.3565,


0.2998

0.1945


370.4739, 0.3224,  
0.3013


 0.3865, 0.3792,  
0.1263

 0.0000, 0.2468,  
0.0000


 63.0934, 0.3293,  
0.2808


 63.0934, 0.3293,  
0.2808

 52.7859, 0.3376,  
0.2619


 75.3319, 0.3221,  
0.2998

 44.3006, 0.3469,  
0.2438

 89.5858, 0.3159,  
0.3183

 37.5310, 0.3572,  
0.2275

99.8101, 0.3121,  
0.3290

 32.3560, 0.3682,  
0.2141

■ 28.6384, 0.3797,  
0.2047

■ 26.2180, 0.3911,  
0.2000

■ 24.8958, 0.4022,  
0.2003

■ 24.5553, 0.4066,  
0.2014

# Harmonies

## Analogous

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



63.0934, 0.2859, 0.2629



63.0934, 0.3293, 0.2808



63.0934, 0.3705, 0.3097

# Triad

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



63.0934, 0.3293, 0.2808



63.0934, 0.3738, 0.4017



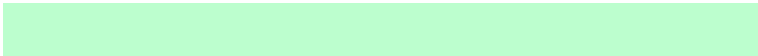
63.0934, 0.2361, 0.3045

# Complementary

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



63.0934, 0.3293, 0.2808



86.0327, 0.2995, 0.3826

# 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.



63.0934, 0.2565, 0.3463



63.0934, 0.3293, 0.2808



63.0934, 0.3352, 0.4062

# Square

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



63.0934, 0.3293, 0.2808



63.0934, 0.3966, 0.3777



63.0934, 0.2923, 0.3855



63.0934, 0.2347, 0.2738



# Rectangle

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



63.0934, 0.3293, 0.2808



63.0934, 0.3899, 0.3325



63.0934, 0.2923, 0.3855



63.0934, 0.2409, 0.3177

# Sweetspot

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



63.0962, 0.3293, 0.2808



87.3140, 0.3171, 0.3146



56.1934, 0.2798, 0.2568



18.2107, 0.3180, 0.3119



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.



63.0962, 0.3293, 0.2808



58.1970, 0.3333, 0.2712



61.3735, 0.3556, 0.3131



18.2107, 0.3180, 0.3119



12.9724, 0.4049, 0.2004



1.2815, 0.3931, 0.1939



# Inverse Universe

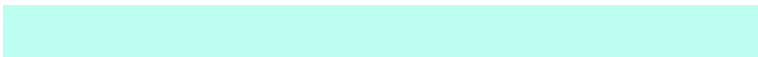
The Inverse Universe completely reimagines the original color for something new.



63.0962, 0.3293, 0.2808



58.1970, 0.3333, 0.2712



87.7827, 0.2823, 0.3456



18.2107, 0.3180, 0.3119



12.9724, 0.4049, 0.2004



1.2815, 0.3931, 0.1939



# Previews

## White Background



This preview shows how the Yxy color 63.0934, 0.3293, 0.2808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

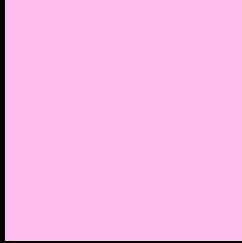
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0934, 0.3293, 0.2808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

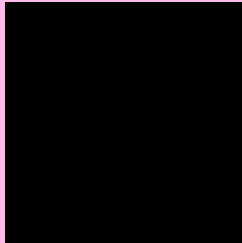
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.0934, 0.3293, 0.2808**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0934, 0.3293, 0.2808.



This preview shows how white text looks on a background with the Yxy color 63.0934, 0.3293, 0.2808.

# 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**

63.0934, 0.3293, 0.2808

**Protanopia**

63.6823, 0.2809, 0.2836

**Deuteranopia**

63.3468, 0.3023, 0.2961



## Tritanopia

63.0180, 0.3476, 0.3134

# Trichromacy



## Original Color

63.0934, 0.3293, 0.2808



## Protanomaly

63.0559, 0.2971, 0.2817



## Deuteranomaly

63.1517, 0.3115, 0.2906



## Tritanomaly

62.8328, 0.3407, 0.3012

# Monochromacy



## Original Color

63.0934, 0.3293, 0.2808



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

64.9002, 0.3189, 0.3106

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0934, 0.3293, 0.2808 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(254, 188, 236)` looks like.

```
.text, #text, p{  
    color:rgb(254, 188, 236)  
}
```

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(254, 188, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 188, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0934, 0.3293, 0.2808 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(254, 188, 236) }
```

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

```
.border{ border-color:rgb(254, 188, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 188, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 188, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 188, 236);  
box-shadow:4px 4px 4px 4px rgb(254, 188,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0934, 0.3293, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 188, 236) }
```

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

```
.background{ background-color: rgb(254,  
188, 236) }
```

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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