

# Converting Colors

Yxy(68.2312, 0.3194, 0.2962)

Have a look what the booklet for  
Yxy(68.2312, 0.3194, 0.2962)  
contains.

<b>Yxy(68.2965, 0.3195, 0.2961)</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(68.2965, 0.3195, 0.2961)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3CCEC
RGB	243, 204, 236
RGB Percent	95%, 80%, 93%
CMY	0.0471, 0.2000, 0.0745
CMYK	0.00, 0.16, 0.03, 0.05
HSL	311°, 62%, 88%
HSV	311°, 16%, 95%
XYZ	73.6938, 68.2965, 88.6632
YIQ	219.3090, 12.9720, 18.2200

# Conversions

## Conversions Part 2

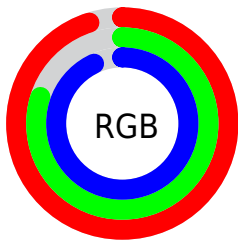
Format	Color
R <sub>Y</sub> B	243, 204, 236
Decimal	15977708
CIE Lab	86.15, 19.02, -10.63
CIE LCh	86, 21.790, 330.788
Yxy	68.2965, 0.3195, 0.2961
Android (android.graphics.Color)	4294167788 (0xFFFF3CCEC)
YUV	219.3090, 8.2287, 20.7770
Hunter-Lab	82.6417, 14.5502, -5.7608

# Details

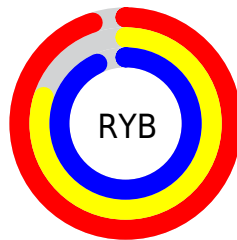
The Yxy color  $68.2965, 0.3195, 0.2961$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $81.6367, 0.3066, 0.3643$ , and the grayscale version is  $71.0006, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.6728, 0.3215, 0.2893$  is the 20% darker color. If you saturate the color by 10%, you get  $57.3852, 0.3245, 0.2749$ , and if you desaturate by 10%, it is  $81.0219, 0.3151, 0.3169$ .

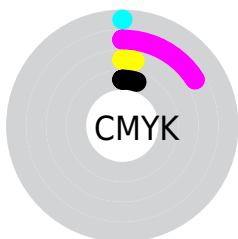
# Distribution



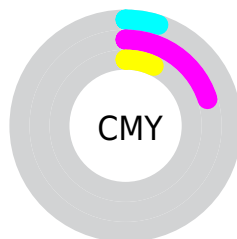
- Red (95%)
- Green (80%)
- Blue (93%)



- Red (95%)
- Yellow (80%)
- Blue (93%)



- Cyan (0%)
- Magenta (16%)
- Yellow (3%)
- Black (5%)




- Cyan (5%)
- Magenta (20%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2965, 0.3195, 0.2961 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 68.2965, 0.3195, 0.2961 by changing the saturation by 10% instead.




 68.2965, 0.3195,  
0.2961

 68.2965, 0.3195,  
0.2961

454.5458, 0.3165,  
0.3111

 50.1390, 0.3201,  
0.2927


116.7762, 0.3185,  
0.3013

 35.5238, 0.3209,  
0.2886

147.8672, 0.3181,  
0.3033

 24.0667, 0.3219,  
0.2834


184.0381, 0.3177,  
0.3050

 15.3831, 0.3231,  
0.2767

225.6734, 0.3174,  
0.3065

 9.0887, 0.3247,  
0.2677

273.1574, 0.3172,  
0.3079

 4.7991, 0.3267,  
0.2550

326.8746, 0.3169,

 2.1299, 0.3296,

0.3091

387.2092, 0.3167,  
0.3101

0.2358

0.6813, 0.3350,  
0.1999

0.0000, 0.1756,  
0.0000

68.2965, 0.3195,  
0.2961

68.2965, 0.3195,  
0.2961

57.3852, 0.3245,  
0.2749

81.0219, 0.3151,  
0.3169

48.1957, 0.3302,  
0.2540

95.6303, 0.3113,  
0.3367

40.6411, 0.3364,  
0.2341

97.4165, 0.3087,  
0.3348

34.6232, 0.3431,  
0.2163

97.6913, 0.3062,  
0.3305

■ 30.0336, 0.3501,  
0.2015

■ 97.7931, 0.3054,  
0.3290

■ 26.7494, 0.3571,  
0.1907

■ 24.6271, 0.3640,  
0.1844

■ 23.4887, 0.3706,  
0.1827

■ 23.1993, 0.3731,  
0.1829

# Harmonies

## Analogous

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



68.2965, 0.2928, 0.2858



68.2965, 0.3195, 0.2961



68.2965, 0.3453, 0.3143

# Triad

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



68.2965, 0.3195, 0.2961



68.2965, 0.3538, 0.3730



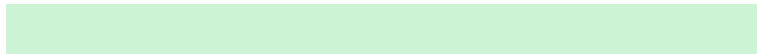
68.2965, 0.2654, 0.3181

# Complementary

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



68.2965, 0.3195, 0.2961



81.6367, 0.3066, 0.3643

# 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.



68.2965, 0.2804, 0.3436



68.2965, 0.3195, 0.2961



68.2965, 0.3312, 0.3763

# Square

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



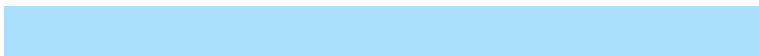
68.2965, 0.3195, 0.2961



68.2965, 0.3655, 0.3579



68.2965, 0.3043, 0.3655



68.2965, 0.2625, 0.2972



# Rectangle

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



68.2965, 0.3195, 0.2961



68.2965, 0.3581, 0.3289



68.2965, 0.3043, 0.3655



68.2965, 0.2692, 0.3265

# Sweetspot

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



68.2995, 0.3195, 0.2961



91.9870, 0.3147, 0.3190



63.4361, 0.2911, 0.2863



19.4571, 0.3150, 0.3175



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.



68.2995, 0.3195, 0.2961



72.3418, 0.3209, 0.2898



67.2526, 0.3334, 0.3154



16.7144, 0.3165, 0.3098



12.7520, 0.3721, 0.1824



1.1338, 0.3646, 0.1782



# Inverse Universe

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



68.2995, 0.3195, 0.2961



72.3418, 0.3209, 0.2898



82.6472, 0.2957, 0.3430



16.7144, 0.3165, 0.3098



12.7520, 0.3721, 0.1824

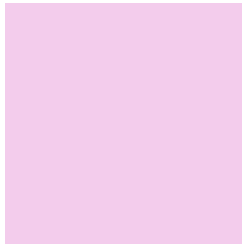


1.1338, 0.3646, 0.1782



# Previews

## White Background



This preview shows how the Yxy color 68.2965, 0.3195, 0.2961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

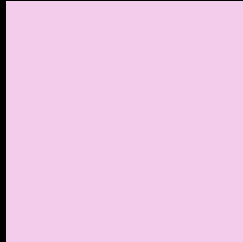
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2965, 0.3195, 0.2961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

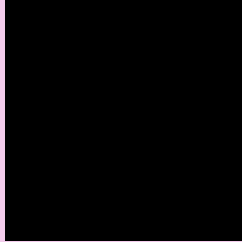
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.2965, 0.3195, 0.2961**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2965, 0.3195, 0.2961.



This preview shows how white text looks on a background with the Yxy color 68.2965, 0.3195, 0.2961.

# 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

68.2965, 0.3195, 0.2961

### Protanopia

68.5010, 0.2930, 0.2986

### Deuteranopia

68.5853, 0.3089, 0.3024



## Tritanopia

68.1173, 0.3279, 0.3123

# Trichromacy



## Original Color

68.2965, 0.3195, 0.2961

## Protanomaly

68.0724, 0.3019, 0.2970

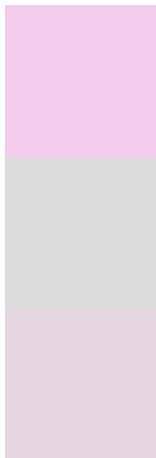
## Deuteranomaly

68.4335, 0.3126, 0.3006

## Tritanomaly

68.0859, 0.3251, 0.3061

# Monochromacy



## Original Color

68.2965, 0.3195, 0.2961

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.0234, 0.3155, 0.3172

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2965, 0.3195, 0.2961 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(243, 204, 236)` looks like.

```
.text, #text, p{  
    color:rgb(243, 204, 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(243, 204, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 204, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2965, 0.3195, 0.2961 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(243, 204, 236) }
```

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

```
.border{ border-color:rgb(243, 204, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 204, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 204, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 204, 236);  
box-shadow:4px 4px 4px 4px rgb(243, 204,  
236) }
```



# Background

The CSS property to change the background color of an element to `rgb(68.2965, 0.3195, 0.2961)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 204, 236) }
```

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

```
.background{ background-color: rgb(243,  
204, 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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