

# Converting Colors

$Y_{xy}(59.7525, 0.3322, 0.2979)$

Have a look what the booklet for  
Yxy(59.7525, 0.3322, 0.2979)  
contains.

<b>Yxy(59.9824, 0.3320, 0.2982)</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(59.9824, 0.3320, 0.2982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0BDDA
RGB	240, 189, 218
RGB Percent	94%, 74%, 85%
CMY	0.0589, 0.2588, 0.1451
CMYK	0.00, 0.21, 0.09, 0.06
HSL	326°, 63%, 84%
HSV	326°, 21%, 94%
XYZ	66.7812, 59.9824, 74.3846
YIQ	207.5550, 21.0870, 19.8310

# Conversions

## Conversions Part 2

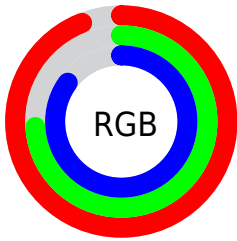
Format	Color
R <sub>Y</sub> B	240, 189, 218
Decimal	15777242
CIE Lab	81.83, 22.83, -7.48
CIE LCh	82, 24.021, 341.869
Yxy	59.9824, 0.3320, 0.2982
Android (android.graphics.Color)	4293967322 (0xFFF0BDDA)
YUV	207.5550, 5.1494, 28.4543
Hunter-Lab	77.4483, 18.3803, -2.7308

# Details

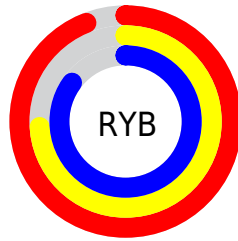
The Yxy color  $59.9824, 0.3320, 0.2982$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $77.8307, 0.2972, 0.3620$ , and the grayscale version is  $62.7300, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.3915, 0.3131, 0.3204$ , and  $30.0396, 0.3364, 0.2904$  is the 20% darker color. If you saturate the color by 10%, you get  $49.9748, 0.3439, 0.2830$ , and if you desaturate by 10%, it is  $71.7374, 0.3220, 0.3131$ .

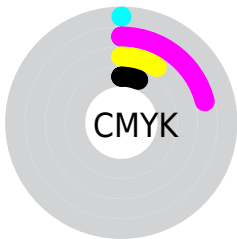
# Distribution



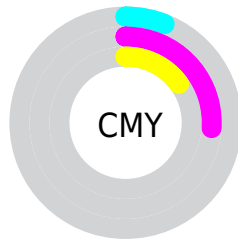
- Red (94%)
- Green (74%)
- Blue (85%)



- Red (94%)
- Yellow (74%)
- Blue (85%)



- Cyan (0%)
- Magenta (21%)
- Yellow (9%)
- Black (6%)




- Cyan (6%)
- Magenta (26%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9824, 0.3320, 0.2982 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 59.9824, 0.3320, 0.2982 by changing the saturation by 10% instead.





 59.9824, 0.3320,  
0.2982

 59.9824, 0.3320,  
0.2982

424.5329, 0.3229,  
0.3126

 43.4044, 0.3341,  
0.2949


 104.8041, 0.3288,  
0.3032

 30.2026, 0.3367,  
0.2908


133.8167, 0.3276,  
0.3052

 19.9924, 0.3401,  
0.2855


167.7429, 0.3266,  
0.3068

 12.3895, 0.3445,  
0.2786


206.9672, 0.3256,  
0.3083

 7.0095, 0.3506,  
0.2692

251.8740, 0.3248,  
0.3096

 3.4681, 0.3596,  
0.2554


302.8476, 0.3241,

 1.3807, 0.3742,


0.3107


0.2334


360.2724, 0.3235,  
0.3117

 0.2024, 0.4423,  
0.1194


 0.0000, 0.0000,  
0.0000


 59.9824, 0.3320,  
0.2982


 59.9824, 0.3320,  
0.2982


 49.9748, 0.3439,  
0.2830


 71.7374, 0.3220,  
0.3131


 41.6218, 0.3578,  
0.2680

 85.3104, 0.3136,  
0.3273

 34.8346, 0.3739,  
0.2541

 96.8839, 0.3069,  
0.3348

 29.5125, 0.3919,  
0.2423

 97.2613, 0.3035,  
0.3290

■ 25.5430, 0.4115,  
0.2338

■ 22.7970, 0.4320,  
0.2298

■ 21.1199, 0.4525,  
0.2311

■ 20.3123, 0.4700,  
0.2363

# Harmonies

## Analogous

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



59.9824, 0.3006, 0.2828



59.9824, 0.3320, 0.2982



59.9824, 0.3591, 0.3211

# Triad

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



59.9824, 0.3320, 0.2982



59.9824, 0.3513, 0.3829



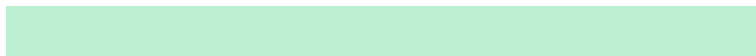
59.9824, 0.2557, 0.3063

# Complementary

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



59.9824, 0.3320, 0.2982



77.8307, 0.2972, 0.3620

# 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.



59.9824, 0.2678, 0.3347



59.9824, 0.3320, 0.2982



59.9824, 0.3225, 0.3811

# Square

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



59.9824, 0.3320, 0.2982



59.9824, 0.3703, 0.3696



59.9824, 0.2920, 0.3630



59.9824, 0.2578, 0.2862



# Rectangle

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



59.9824, 0.3320, 0.2982



59.9824, 0.3704, 0.3382



59.9824, 0.2920, 0.3630



59.9824, 0.2582, 0.3152

# Sweetspot

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



59.9851, 0.3320, 0.2982



90.2059, 0.3174, 0.3206



56.4302, 0.2925, 0.2724



19.0896, 0.3180, 0.3197



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.



59.9851, 0.3320, 0.2982



64.2046, 0.3363, 0.2924



58.7853, 0.3521, 0.3245



15.9095, 0.3204, 0.3157



11.1488, 0.4669, 0.2346



0.9474, 0.4424, 0.2211



# Inverse Universe

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



59.9851, 0.3320, 0.2982



64.2046, 0.3363, 0.2924



79.1682, 0.2834, 0.3336



15.9095, 0.3204, 0.3157



11.1488, 0.4669, 0.2346



0.9474, 0.4424, 0.2211



# Previews

## White Background



This preview shows how the Yxy color 59.9824, 0.3320, 0.2982 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

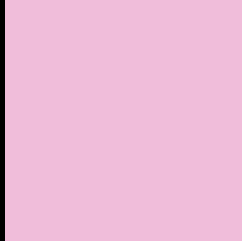
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9824, 0.3320, 0.2982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

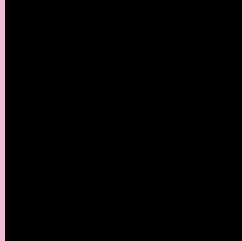
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.9824, 0.3320, 0.2982**

## Background



This preview shows how black text looks on a background with the Yxy color 59.9824, 0.3320, 0.2982.



This preview shows how white text looks on a background with the Yxy color 59.9824, 0.3320, 0.2982.

# 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

59.9824, 0.3320, 0.2982

### Protanopia

60.1496, 0.2954, 0.3014

### Deuteranopia

60.2515, 0.3152, 0.3088



## Tritanopia

59.8950, 0.3397, 0.3128

# Trichromacy



## Original Color

59.9824, 0.3320, 0.2982

## Protanomaly

59.7073, 0.3079, 0.2999

## Deuteranomaly

60.2087, 0.3210, 0.3048

## Tritanomaly

59.8308, 0.3374, 0.3076

# Monochromacy



## Original Color

59.9824, 0.3320, 0.2982

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

61.7424, 0.3195, 0.3167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9824, 0.3320, 0.2982 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(240, 189, 218)` looks like.

```
.text, #text, p{  
    color:rgb(240, 189, 218)  
}
```

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(240, 189, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 189, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9824, 0.3320, 0.2982 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(240, 189, 218) }
```

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

```
.border{ border-color:rgb(240, 189, 218) }
```

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

Here you see how a box with a 4 pixel rgb(240, 189, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 189, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 189, 218);  
box-shadow:4px 4px 4px 4px rgb(240, 189,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9824, 0.3320, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 189, 218) }
```

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

```
.background{ background-color: rgb(240,  
189, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor