

# Converting Colors

$Y_{xy}(59.1276, 0.3175, 0.2736)$

Have a look what the booklet for  
Yxy(59.1276, 0.3175, 0.2736)  
contains.

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# **Color**

**Yxy(58.9793, 0.3169, 0.2729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B8EE
RGB	240, 184, 238
RGB Percent	94%, 72%, 93%
CMY	0.0591, 0.2783, 0.0667
CMYK	0.00, 0.23, 0.01, 0.06
HSL	302°, 65%, 83%
HSV	302°, 23%, 94%
XYZ	68.4886, 58.9793, 88.6527
YIQ	206.9000, 16.0420, 28.6660

# Conversions

## Conversions Part 2

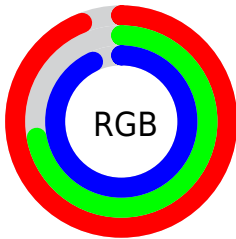
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 184, 238
Decimal	15775982
CIE Lab	81.28, 28.95, -19.03
CIE LCh	81, 34.644, 326.679
Yxy	58.9793, 0.3169, 0.2729
Android (android.graphics.Color)	4293966062 (0xFFFF0B8EE)
YUV	206.9000, 15.3323, 29.0287
Hunter-Lab	76.7980, 24.7902, -14.6835

# Details

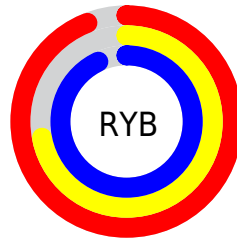
The Yxy color  $58.9793, 0.3169, 0.2729$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $76.0182, 0.3085, 0.3923$ , and the grayscale version is  $62.2198, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.8002, 0.3134, 0.3146$ , and  $29.4099, 0.3171, 0.2593$  is the 20% darker color. If you saturate the color by 10%, you get  $49.7935, 0.3189, 0.2489$ , and if you desaturate by 10%, it is  $69.8611, 0.3150, 0.2973$ .

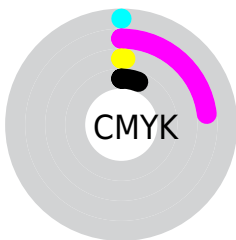
# Distribution



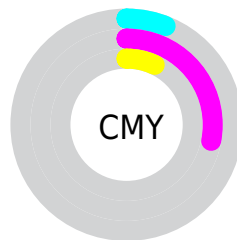
- Red (94%)
- Green (72%)
- Blue (93%)



- Red (94%)
- Yellow (72%)
- Blue (93%)



- Cyan (0%)
- Magenta (23%)
- Yellow (1%)
- Black (6%)




- Cyan (6%)
- Magenta (28%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9793, 0.3169, 0.2729 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 58.9793, 0.3169, 0.2729 by changing the saturation by 10% instead.



 58.9793, 0.3169,  
0.2729

 58.9793, 0.3169,  
0.2729


420.8252, 0.3154,  
0.2986

 42.5965, 0.3171,  
0.2671


 103.3476, 0.3165,  
0.2817

 29.5686, 0.3174,  
0.2600

132.1018, 0.3163,  
0.2852

 19.5114, 0.3176,  
0.2511


165.7486, 0.3161,  
0.2882

 12.0404, 0.3177,  
0.2396


204.6724, 0.3159,  
0.2908

 6.7712, 0.3175,  
0.2243

249.2576, 0.3158,  
0.2931

 3.3194, 0.3167,  
0.2027


299.8885, 0.3157,


 1.3007, 0.3141,


0.2951


0.1707


356.9496, 0.3155,  
0.2969


 0.1417, 0.3277,  
0.0552


 0.0000, 0.0000,  
0.0000


 58.9793, 0.3169,  
0.2729


 58.9793, 0.3169,  
0.2729

 49.7935, 0.3189,  
0.2489

 69.8611, 0.3150,  
0.2973


 42.2106, 0.3209,  
0.2261


 82.5103, 0.3133,  
0.3213

 36.1405, 0.3228,  
0.2055


 96.3534, 0.3117,  
0.3433


 31.4813, 0.3247,  
0.1881


 96.4032, 0.3112,  
0.3425

 28.1180, 0.3264,  
0.1746


 96.4532, 0.3107,  
0.3417

 25.9182, 0.3279,  
0.1654

 96.5035, 0.3103,  
0.3408

 24.7209, 0.3292,  
0.1606

 96.5540, 0.3098,  
0.3400

 24.3160, 0.3299,  
0.1591

 96.6047, 0.3093,  
0.3392

 96.6557, 0.3088,  
0.3383

# Harmonies

## Analogous

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



58.9793, 0.2740, 0.2584



58.9793, 0.3169, 0.2729



58.9793, 0.3616, 0.2999

# Triad

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



58.9793, 0.3169, 0.2729



58.9793, 0.3843, 0.3986



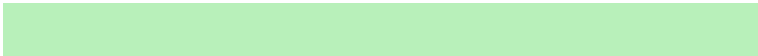
58.9793, 0.2378, 0.3149

# Complementary

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



58.9793, 0.3169, 0.2729



76.0182, 0.3085, 0.3923

# 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.



58.9793, 0.2637, 0.3592



58.9793, 0.3169, 0.2729



58.9793, 0.3479, 0.4100

# Square

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



58.9793, 0.3169, 0.2729



58.9793, 0.4018, 0.3700



58.9793, 0.3037, 0.3960



58.9793, 0.2308, 0.2791



# Rectangle

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



58.9793, 0.3169, 0.2729



58.9793, 0.3852, 0.3225



58.9793, 0.3037, 0.3960



58.9793, 0.2444, 0.3293

# Sweetspot

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



58.9819, 0.3169, 0.2729



89.0954, 0.3139, 0.3124



51.0104, 0.2743, 0.2636



18.8792, 0.3140, 0.3110



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.



58.9819, 0.3169, 0.2729



62.4362, 0.3178, 0.2613



57.4687, 0.3389, 0.3010



16.0214, 0.3143, 0.3065



13.3241, 0.3298, 0.1590



1.1114, 0.3285, 0.1583



# Inverse Universe

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



58.9819, 0.3169, 0.2729



62.4362, 0.3178, 0.2613



77.3211, 0.2925, 0.3588



16.0214, 0.3143, 0.3065



13.3241, 0.3298, 0.1590



1.1114, 0.3285, 0.1583



# Previews

## White Background



This preview shows how the Yxy color 58.9793, 0.3169, 0.2729 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

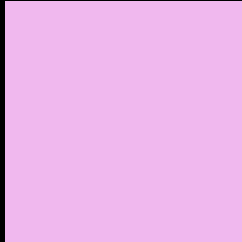
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.9793, 0.3169, 0.2729 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

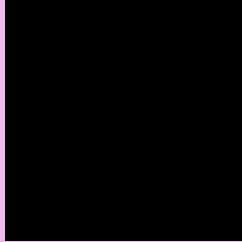
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.9793, 0.3169, 0.2729**

## Background



This preview shows how black text looks on a background with the Yxy color 58.9793, 0.3169, 0.2729.



This preview shows how white text looks on a background with the Yxy color 58.9793, 0.3169, 0.2729.

# 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

58.9793, 0.3169, 0.2729

### Protanopia

59.2245, 0.2738, 0.2737

### Deuteranopia

59.0525, 0.2929, 0.2863



## Tritanopia

58.8969, 0.3382, 0.3127

# Trichromacy



## Original Color

58.9793, 0.3169, 0.2729



## Protanomaly

58.7315, 0.2884, 0.2729



## Deuteranomaly

58.6608, 0.3011, 0.2808



## Tritanomaly

58.9807, 0.3305, 0.2979

# Monochromacy



## Original Color

58.9793, 0.3169, 0.2729



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

60.9689, 0.3145, 0.3078

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9793, 0.3169, 0.2729 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, 184, 238)` looks like.

```
.text, #text, p{  
    color:rgb(240, 184, 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(240, 184, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 184, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9793, 0.3169, 0.2729 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, 184, 238) }
```

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

```
.border{ border-color:rgb(240, 184, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 184, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 184, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 184, 238);  
box-shadow:4px 4px 4px 4px rgb(240, 184,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9793, 0.3169, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 184, 238) }
```

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

```
.background{ background-color: rgb(240,  
184, 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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