

# Converting Colors

$Y_{xy}(27.0884, 0.3634, 0.2789)$

Have a look what the booklet for  
Yxy(27.0884, 0.3634, 0.2789)  
contains.

<b>Yxy(27.0929, 0.3627, 0.2788)</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(27.0929, 0.3627, 0.2788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4769C
RGB	196, 118, 156
RGB Percent	77%, 46%, 61%
CMY	0.2314, 0.5373, 0.3881
CMYK	0.00, 0.40, 0.20, 0.23
HSL	331°, 40%, 62%
HSV	331°, 40%, 77%
XYZ	35.2460, 27.0929, 34.8379
YIQ	145.6540, 34.2900, 28.3540

# Conversions

## Conversions Part 2

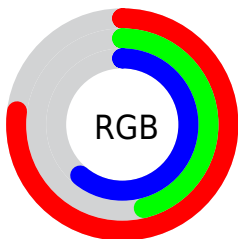
Format	Color
R <sub>Y</sub> B	196, 118, 156
Decimal	12875420
CIE Lab	59.06, 35.68, -7.38
CIE LCh	59, 36.439, 348.319
Yxy	27.0929, 0.3627, 0.2788
Android (android.graphics.Color)	4291065500 (0xFFC4769C)
YUV	145.6540, 5.1006, 44.1534
Hunter-Lab	52.0508, 29.7817, -3.2475

# Details

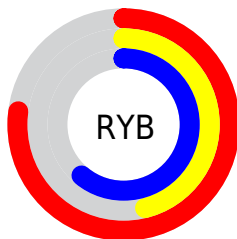
The Yxy color **27.0929, 0.3627, 0.2788** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **45.7989, 0.2815, 0.3862**, and the grayscale version is **28.5650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8498, 0.3531, 0.2888**, and **10.6970, 0.3805, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **22.6213, 0.3814, 0.2667**, and if you desaturate by 10%, it is **32.5543, 0.3467, 0.2917**.

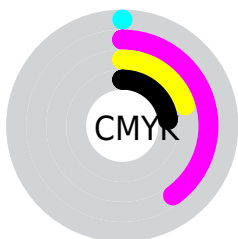
# Distribution



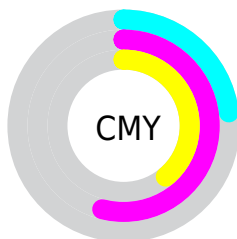
- Red (77%)
- Green (46%)
- Blue (61%)



- Red (77%)
- Yellow (46%)
- Blue (61%)



- Cyan (0%)
- Magenta (40%)
- Yellow (20%)
- Black (23%)




- Cyan (23%)
- Magenta (54%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0929, 0.3627, 0.2788 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 27.0929, 0.3627, 0.2788 by changing the saturation by 10% instead.





 27.0929, 0.3627,  
0.2788


 27.0929, 0.3627,  
0.2788


288.1066, 0.3360,  
0.3052

 17.6430, 0.3700,  
0.2718


 55.0329, 0.3525,  
0.2887

 10.6940, 0.3798,  
0.2625


 74.2918, 0.3489,  
0.2923

 5.8615, 0.3935,  
0.2496


 97.5892, 0.3458,  
0.2954

 2.7610, 0.4143,  
0.2308

125.3094, 0.3432,  
0.2979

 1.0083, 0.4489,  
0.2006

157.8368, 0.3410,  
0.3001

 0.0000, 0.6574,  
0.0000

195.5559, 0.3391,

 0.0000, 0.0000,

0.3020

0.0000

238.8511, 0.3374,  
0.3037

■ 27.0929, 0.3627,  
0.2788

■ 27.0929, 0.3627,  
0.2788

■ 22.6213, 0.3814,  
0.2667

■ 32.5543, 0.3467,  
0.2917

■ 19.0750, 0.4029,  
0.2563

■ 39.0570, 0.3331,  
0.3047

■ 16.3882, 0.4265,  
0.2488


■ 46.6534, 0.3219,  
0.3173

■ 14.4842, 0.4517,  
0.2455

■ 55.3915, 0.3125,  
0.3292

■ 13.2728, 0.4771,  
0.2473


■ 65.3162, 0.3048,  
0.3404


 12.5847, 0.5016,  
0.2538

 76.4700, 0.2985,  
0.3507

 12.5723, 0.5021,  
0.2540

 88.7651, 0.2932,  
0.3600

 89.3339, 0.2879,  
0.3489

 89.9355, 0.2827,  
0.3380

# Harmonies

## Analogous

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



27.0929, 0.3003, 0.2479



27.0929, 0.3627, 0.2788



27.0929, 0.4140, 0.3212

# Triad

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



27.0929, 0.3627, 0.2788



27.0929, 0.3739, 0.4383



27.0929, 0.2043, 0.2715

# Complementary

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



27.0929, 0.3627, 0.2788



45.7989, 0.2815, 0.3862

# 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.



27.0929, 0.2197, 0.3245



27.0929, 0.3627, 0.2788



27.0929, 0.3155, 0.4320

# Square

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



27.0929, 0.3627, 0.2788



27.0929, 0.4184, 0.4114



27.0929, 0.2592, 0.3872



27.0929, 0.2138, 0.2411



# Rectangle

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



27.0929, 0.3627, 0.2788



27.0929, 0.4318, 0.3524



27.0929, 0.2592, 0.3872



27.0929, 0.2067, 0.2870

# Sweetspot

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



27.0942, 0.3627, 0.2788



81.0375, 0.3244, 0.3143



24.1107, 0.2765, 0.2197



16.9434, 0.3258, 0.3127



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.



27.0942, 0.3627, 0.2788



41.7439, 0.3794, 0.2679



26.0008, 0.4118, 0.3293



10.1579, 0.3214, 0.3178



8.0955, 0.4989, 0.2522



0.3637, 0.4489, 0.2247



# Inverse Universe

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



27.0942, 0.3627, 0.2788



41.7439, 0.3794, 0.2679



47.3168, 0.2584, 0.3288



10.1579, 0.3214, 0.3178



8.0955, 0.4989, 0.2522

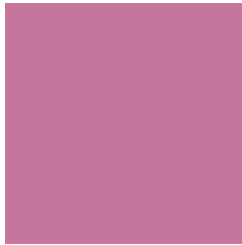


0.3637, 0.4489, 0.2247



# Previews

## White Background



This preview shows how the Yxy color 27.0929, 0.3627, 0.2788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

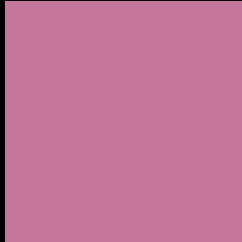
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.0929, 0.3627, 0.2788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

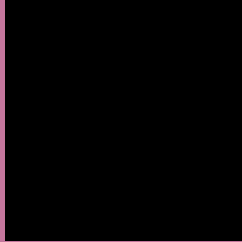
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.0929, 0.3627, 0.2788**

## Background



This preview shows how black text looks on a background with the Yxy color 27.0929, 0.3627, 0.2788.



This preview shows how white text looks on a background with the Yxy color 27.0929, 0.3627, 0.2788.

# 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

27.0929, 0.3627, 0.2788

### Protanopia

27.2243, 0.2798, 0.2818

### Deuteranopia

27.1194, 0.3137, 0.3071



## Tritanopia

26.9225, 0.3881, 0.3155

# Trichromacy



## Original Color

27.0929, 0.3627, 0.2788

## Protanomaly

26.7973, 0.3064, 0.2795

## Deuteranomaly

26.8573, 0.3312, 0.2964

## Tritanomaly

27.0672, 0.3783, 0.3021

# Monochromacy



## Original Color

27.0929, 0.3627, 0.2788

## Achromatopsia

28.7441, 0.3127, 0.3290

## Achromatomaly

27.7028, 0.3292, 0.3079

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.0929, 0.3627, 0.2788 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(196, 118, 156)` looks like.

```
.text, #text, p{  
    color:rgb(196, 118, 156)  
}
```

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(196, 118, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 118, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 27.0929, 0.3627, 0.2788 is called "border". The border property can be set on classes, ids or directly on the HTML element.

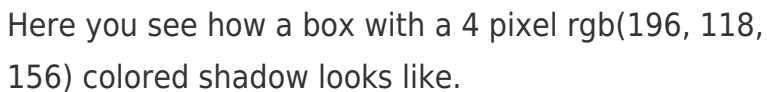
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 118, 156) }
```

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

```
.border{ border-color:rgb(196, 118, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 118, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 118, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 118, 156); box-shadow:4px 4px 4px 4px rgb(196, 118, 156) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.0929, 0.3627, 0.2788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 118, 156) }
```

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

```
.background{ background-color: rgb(196,  
118, 156) }
```

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