

# Converting Colors

$Y_{xy}(27.2183, 0.3605, 0.2184)$

Have a look what the booklet for  
Yxy(27.2183, 0.3605, 0.2184)  
contains.

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# Color

**Yxy(27.2792, 0.3599, 0.2182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E458C0
RGB	228, 88, 192
RGB Percent	89%, 35%, 75%
CMY	0.1059, 0.6548, 0.2472
CMYK	0.00, 0.61, 0.16, 0.11
HSL	315°, 72%, 62%
HSV	315°, 61%, 89%
XYZ	44.9944, 27.2792, 52.7456
YIQ	141.7160, 50.0560, 62.0240

# Conversions

## Conversions Part 2

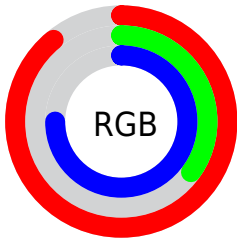
Format	Color
R <sub>Y</sub> B	228, 88, 192
Decimal	14964928
CIE Lab	59.23, 65.41, -27.36
CIE LCh	59, 70.900, 337.297
Yxy	27.2792, 0.3599, 0.2182
Android (android.graphics.Color)	4293155008 (0xFFE458C0)
YUV	141.7160, 24.7900, 75.6711
Hunter-Lab	52.2295, 62.3718, -23.3153

# Details

The Yxy color **27.2792, 0.3599, 0.2182** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **59.0149, 0.2878, 0.4797**, and the grayscale version is **26.8208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3504, 0.3227, 0.2279**, and **10.7703, 0.3721, 0.1890** is the 20% darker color. If you saturate the color by 10%, you get **23.8487, 0.3704, 0.2065**, and if you desaturate by 10%, it is **31.8928, 0.3499, 0.2333**.

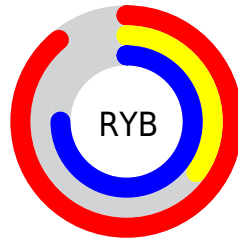
# Distribution



Red (89%)

Green (35%)

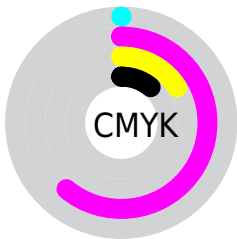
Blue (75%)



Red (89%)

Yellow (35%)

Blue (75%)

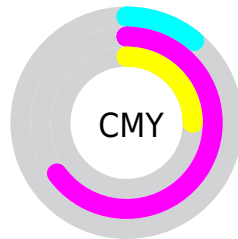


Cyan (0%)

Magenta (61%)

Yellow (16%)

Black (11%)



Cyan (11%)

Magenta (65%)


Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2792, 0.3599, 0.2182 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 27.2792, 0.3599, 0.2182 by changing the saturation by 10% instead.




 27.2792, 0.3599,  
0.2182


 27.2792, 0.3599,  
0.2182


289.0064, 0.3370,  
0.2724


 17.7830, 0.3653,  
0.2052


 55.3316, 0.3518,  
0.2375


 10.7943, 0.3720,  
0.1890


 74.6565, 0.3487,  
0.2449

 5.9287, 0.3806,  
0.1681


 98.0266, 0.3460,  
0.2512

 2.8018, 0.3917,  
0.1407

 125.8261, 0.3437,  
0.2566

 1.0291, 0.4062,  
0.1041

158.4394, 0.3417,  
0.2613

 0.0000, 0.4492,  
0.0000

196.2510, 0.3400,

 0.0000, 0.4298,

0.2655

0.0000

239.6452, 0.3384,  
0.2691

0.0000, 0.0000,  
0.0000

27.2792, 0.3599,  
0.2182

27.2792, 0.3599,  
0.2182

23.8487, 0.3704,  
0.2065

31.8928, 0.3499,  
0.2333

21.4839, 0.3810,  
0.1992

37.7842, 0.3407,  
0.2508

20.0503, 0.3914,  
0.1966


45.0432, 0.3325,  
0.2697

19.3692, 0.4002,  
0.1978


53.7504, 0.3252,  
0.2890

63.9800, 0.3188,  
0.3081

 75.8012, 0.3134,  
0.3265

 89.2788, 0.3088,  
0.3440

 94.2395, 0.3053,  
0.3453

 94.5918, 0.3020,  
0.3393

# Harmonies

## Analogous

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



27.2792, 0.2467, 0.1787



27.2792, 0.3599, 0.2182



27.2792, 0.4771, 0.2785

# Triad

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



27.2792, 0.3599, 0.2182



27.2792, 0.4416, 0.5056



27.2792, 0.1305, 0.2436

# Complementary

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



27.2792, 0.3599, 0.2182



59.0149, 0.2878, 0.4797

# 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.



27.2792, 0.1637, 0.3587



27.2792, 0.3599, 0.2182



27.2792, 0.3415, 0.5503

# Square

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



27.2792, 0.3599, 0.2182



27.2792, 0.5169, 0.4265



27.2792, 0.2396, 0.4954



27.2792, 0.1342, 0.1840



# Rectangle

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



27.2792, 0.3599, 0.2182



27.2792, 0.5262, 0.3250



27.2792, 0.2396, 0.4954



27.2792, 0.1371, 0.2757

# Sweetspot

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



27.2805, 0.3599, 0.2182



73.3924, 0.3230, 0.2953



16.7965, 0.2180, 0.1427



14.9226, 0.3249, 0.2897



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.



27.2805, 0.3599, 0.2182



29.6691, 0.3736, 0.2038



24.9065, 0.4571, 0.2914



14.5485, 0.3177, 0.3117



11.2056, 0.3987, 0.1970



0.8429, 0.3848, 0.1894



# Inverse Universe

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



27.2805, 0.3599, 0.2182



29.6691, 0.3736, 0.2038



61.4088, 0.2541, 0.3769



14.5485, 0.3177, 0.3117



11.2056, 0.3987, 0.1970



0.8429, 0.3848, 0.1894



# Previews

## White Background



This preview shows how the Yxy color 27.2792, 0.3599, 0.2182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

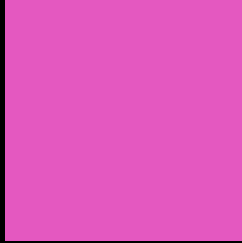
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.2792, 0.3599, 0.2182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

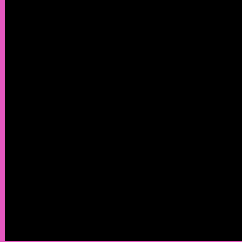
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.2792, 0.3599, 0.2182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 27.2792, 0.3599, 0.2182.

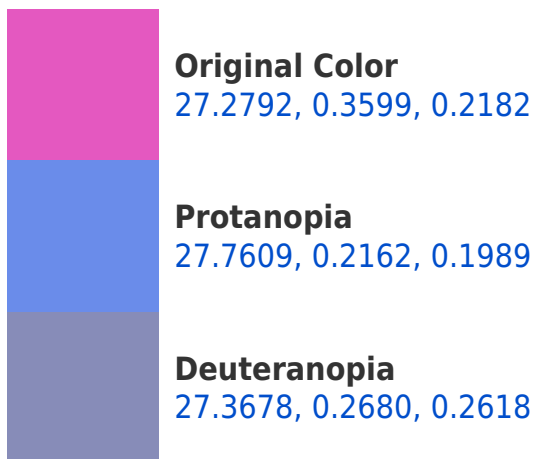


This preview shows how white text looks on a background with the Yxy color 27.2792, 0.3599, 0.2182.

# 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





## Tritanopia

27.1786, 0.4488, 0.3212

# Trichromacy



## Original Color

27.2792, 0.3599, 0.2182



## Protanomaly

25.2732, 0.2522, 0.1980



## Deuteranomaly

25.6976, 0.2975, 0.2376



## Tritanomaly

26.9785, 0.4167, 0.2807

# Monochromacy



## Original Color

27.2792, 0.3599, 0.2182



## Achromatopsia

27.0498, 0.3127, 0.3290



## Achromatomaly

25.3414, 0.3304, 0.2742

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.2792, 0.3599, 0.2182 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(228, 88, 192)` looks like.

```
.text, #text, p{  
    color:rgb(228, 88, 192)  
}
```

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(228, 88, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 88, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 27.2792, 0.3599, 0.2182 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(228, 88, 192) }
```

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

```
.border{ border-color:rgb(228, 88, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 88, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 88, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 88, 192);  
box-shadow:4px 4px 4px 4px rgb(228, 88,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.2792, 0.3599, 0.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 88, 192) }
```

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

```
.background{ background-color: rgb(228, 88,  
192) }
```

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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