

# Converting Colors

$Y_{xy}(48.8682, 0.3179, 0.2565)$

Have a look what the booklet for  
Yxy(48.8682, 0.3179, 0.2565)  
contains.

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# Color

**Yxy(48.7096, 0.3179, 0.2560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8A2E6
RGB	232, 162, 230
RGB Percent	91%, 64%, 90%
CMY	0.0901, 0.3647, 0.0980
CMYK	0.00, 0.30, 0.01, 0.09
HSL	302°, 60%, 77%
HSV	302°, 30%, 91%
XYZ	60.4874, 48.7096, 81.0748
YIQ	190.6820, 19.8920, 35.9880

# Conversions

## Conversions Part 2

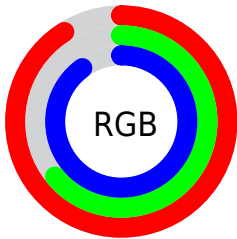
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 162, 230
Decimal	15246054
CIE Lab	75.27, 36.67, -23.91
CIE LCh	75, 43.778, 326.891
Yxy	48.7096, 0.3179, 0.2560
Android (android.graphics.Color)	4293436134 (0xFFE8A2E6)
YUV	190.6820, 19.3838, 36.2359
Hunter-Lab	69.7923, 32.5656, -20.0202

# Details

The Yxy color **48.7096, 0.3179, 0.2560** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **68.0894, 0.3074, 0.4147**, and the grayscale version is **51.7854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **23.1072, 0.3181, 0.2388** is the 20% darker color. If you saturate the color by 10%, you get **41.2404, 0.3197, 0.2327**, and if you desaturate by 10%, it is **57.6912, 0.3161, 0.2803**.

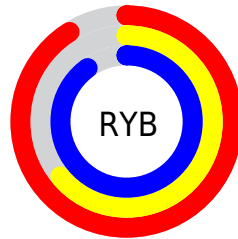
# Distribution



Red (91%)

Green (64%)

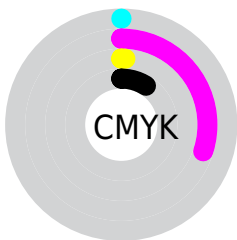
Blue (90%)



Red (91%)

Yellow (64%)

Blue (90%)

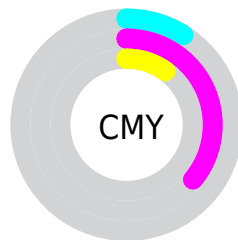


Cyan (0%)

Magenta (30%)

Yellow (1%)

Black (9%)



Cyan (9%)

Magenta (36%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7096, 0.3179, 0.2560 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 48.7096, 0.3179, 0.2560 by changing the saturation by 10% instead.




 48.7096, 0.3179,  
0.2560


 48.7096, 0.3179,  
0.2560


381.5980, 0.3162,  
0.2899

 34.3892, 0.3181,  
0.2483


 88.2600, 0.3175,  
0.2678

 23.1927, 0.3182,  
0.2387


 114.2587, 0.3173,  
0.2724

 14.7359, 0.3182,  
0.2266


144.9191, 0.3171,  
0.2763

 8.6342, 0.3179,  
0.2110

180.6253, 0.3169,  
0.2797

 4.5034, 0.3168,  
0.1899

221.7620, 0.3167,  
0.2828

 1.9589, 0.3139,  
0.1605

268.7134, 0.3165,

 0.5835, 0.3081,

0.2854

0.1118

321.8639, 0.3164,  
0.2878

0.0000, 0.2640,  
0.0000

0.0000, 0.0000,  
0.0000

48.7096, 0.3179,  
0.2560

48.7096, 0.3179,  
0.2560

41.2404, 0.3197,  
0.2327

57.6912, 0.3161,  
0.2803

35.1942, 0.3216,  
0.2112


68.2556, 0.3144,  
0.3047

30.4820, 0.3233,  
0.1927

80.4763, 0.3127,  
0.3286

27.0023, 0.3249,  
0.1778


94.4205, 0.3113,  
0.3513

 24.6388, 0.3263,  
0.1672

 94.5836, 0.3109,  
0.3508

 23.2534, 0.3274,  
0.1609

 94.6222, 0.3105,  
0.3502

 22.6132, 0.3284,  
0.1583

 94.6609, 0.3101,  
0.3495

 94.6997, 0.3097,  
0.3488

 94.7387, 0.3093,  
0.3481

# Harmonies

## Analogous

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



48.7096, 0.2611, 0.2371



48.7096, 0.3179, 0.2560



48.7096, 0.3787, 0.2905

# Triad

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



48.7096, 0.3179, 0.2560



48.7096, 0.4070, 0.4205



48.7096, 0.2138, 0.3078

# Complementary

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



48.7096, 0.3179, 0.2560



68.0894, 0.3074, 0.4147

# 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.



48.7096, 0.2465, 0.3693



48.7096, 0.3179, 0.2560



48.7096, 0.3575, 0.4392

# Square

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



48.7096, 0.3179, 0.2560



48.7096, 0.4321, 0.3808



48.7096, 0.2987, 0.4215



48.7096, 0.2057, 0.2612



# Rectangle

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



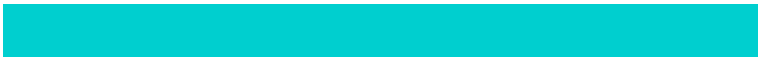
48.7096, 0.3179, 0.2560



48.7096, 0.4110, 0.3192



48.7096, 0.2987, 0.4215



48.7096, 0.2221, 0.3276

# Sweetspot

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



48.7117, 0.3179, 0.2560



86.1787, 0.3142, 0.3075



39.4698, 0.2602, 0.2409



18.0018, 0.3144, 0.3039



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.



48.7117, 0.3179, 0.2560



54.5755, 0.3190, 0.2418



46.9770, 0.3480, 0.2911



14.6076, 0.3142, 0.3065



12.5543, 0.3283, 0.1582



0.9300, 0.3271, 0.1576



# Inverse Universe

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



48.7117, 0.3179, 0.2560



54.5755, 0.3190, 0.2418



69.4937, 0.2878, 0.3705



14.6076, 0.3142, 0.3065



12.5543, 0.3283, 0.1582



0.9300, 0.3271, 0.1576



# Previews

## White Background



This preview shows how the Yxy color 48.7096, 0.3179, 0.2560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

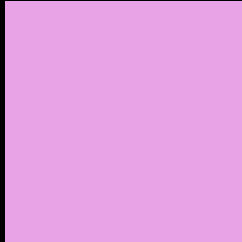
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7096, 0.3179, 0.2560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

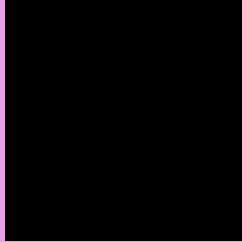
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7096, 0.3179, 0.2560**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7096, 0.3179, 0.2560.



This preview shows how white text looks on a background with the Yxy color 48.7096, 0.3179, 0.2560.

# 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

48.7096, 0.3179, 0.2560

### Protanopia

48.8946, 0.2594, 0.2548

### Deuteranopia

49.0142, 0.2812, 0.2757



## Tritanopia

48.7553, 0.3516, 0.3141

# Trichromacy



## Original Color

48.7096, 0.3179, 0.2560



## Protanomaly

48.1577, 0.2780, 0.2536



## Deuteranomaly

48.6235, 0.2941, 0.2684



## Tritanomaly

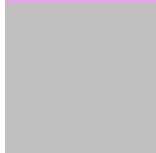
48.7163, 0.3387, 0.2918

# Monochromacy



## Original Color

48.7096, 0.3179, 0.2560



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

50.1721, 0.3150, 0.2993

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7096, 0.3179, 0.2560 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(232, 162, 230)` looks like.

```
.text, #text, p{  
    color:rgb(232, 162, 230)  
}
```

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(232, 162, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 162, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7096, 0.3179, 0.2560 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(232, 162, 230) }
```

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

```
.border{ border-color:rgb(232, 162, 230) }
```

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

Here you see how a box with a 4 pixel rgb(232, 162, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 162, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 162, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 162,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7096, 0.3179, 0.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 162, 230) }
```

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

```
.background{ background-color: rgb(232,  
162, 230) }
```

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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