

# Converting Colors

$Y_{xy}(47.9162, 0.3198, 0.2608)$

Have a look what the booklet for  
Yxy(47.9162, 0.3198, 0.2608)  
contains.

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# Color

**Yxy(47.9349, 0.3194, 0.2603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5A2E1
RGB	229, 162, 225
RGB Percent	90%, 64%, 88%
CMY	0.1021, 0.3646, 0.1176
CMYK	0.00, 0.29, 0.02, 0.10
HSL	304°, 56%, 77%
HSV	304°, 29%, 90%
XYZ	58.8183, 47.9349, 77.3993
YIQ	189.2150, 19.7090, 33.7970

# Conversions

## Conversions Part 2

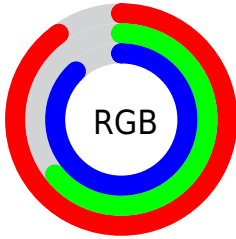
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 162, 225
Decimal	15049441
CIE Lab	74.78, 34.77, -21.97
CIE LCh	75, 41.132, 327.716
Yxy	47.9349, 0.3194, 0.2603
Android (android.graphics.Color)	4293239521 (0xFFE5A2E1)
YUV	189.2150, 17.6420, 34.8914
Hunter-Lab	69.2350, 30.4826, -17.8170

# Details

The Yxy color  $47.9349, 0.3194, 0.2603$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $66.4567, 0.3064, 0.4089$ , and the grayscale version is  $50.9080, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.6228, 0.3144, 0.2930$ , and  $22.7238, 0.3203, 0.2430$  is the 20% darker color. If you saturate the color by 10%, you get  $40.5169, 0.3220, 0.2374$ , and if you desaturate by 10%, it is  $56.8263, 0.3169, 0.2840$ .

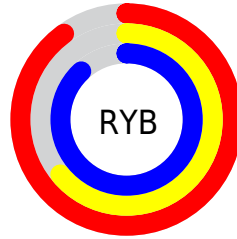
# Distribution



Red (90%)

Green (64%)

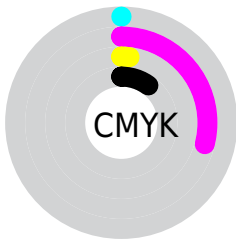
Blue (88%)



Red (90%)

Yellow (64%)

Blue (88%)

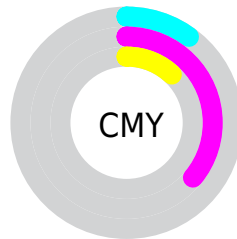


Cyan (0%)

Magenta (29%)

Yellow (2%)

Black (10%)



Cyan (10%)

Magenta (36%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9349, 0.3194, 0.2603 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 47.9349, 0.3194, 0.2603 by changing the saturation by 10% instead.





 47.9349, 0.3194,  
0.2603


 47.9349, 0.3194,  
0.2603

378.5340, 0.3169,  
0.2925

 33.7753, 0.3198,  
0.2529


 87.1075, 0.3187,  
0.2715

 22.7211, 0.3202,  
0.2437


 112.8893, 0.3183,  
0.2759

 14.3877, 0.3206,  
0.2321


143.3139, 0.3180,  
0.2796

 8.3908, 0.3208,  
0.2169

178.7658, 0.3178,  
0.2828

 4.3460, 0.3206,  
0.1963

219.6294, 0.3175,  
0.2857

 1.8689, 0.3191,  
0.1670

266.2890, 0.3173,

 0.5296, 0.3165,

0.2882

0.1146

319.1291, 0.3171,  
0.2905

0.0000, 0.2485,  
0.0000

0.0000, 0.0000,  
0.0000

47.9349, 0.3194,  
0.2603

47.9349, 0.3194,  
0.2603

40.5169, 0.3220,  
0.2374

56.8263, 0.3169,  
0.2840

34.4863, 0.3247,  
0.2162

67.2586, 0.3146,  
0.3077

29.7578, 0.3274,  
0.1976

79.3027, 0.3126,  
0.3307

26.2342, 0.3299,  
0.1826

93.0231, 0.3107,  
0.3526

23.8046, 0.3323,  
0.1719

93.9862, 0.3099,  
0.3526

22.3380, 0.3345,  
0.1655

94.0632, 0.3091,  
0.3512

21.6259, 0.3364,  
0.1629

94.1408, 0.3083,  
0.3498

21.5829, 0.3365,  
0.1627

94.2189, 0.3076,  
0.3484

94.2977, 0.3068,  
0.3470

# Harmonies

## Analogous

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



47.9349, 0.2652, 0.2418



47.9349, 0.3194, 0.2603



47.9349, 0.3766, 0.2936

# Triad

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



47.9349, 0.3194, 0.2603



47.9349, 0.4012, 0.4168



47.9349, 0.2183, 0.3079

# Complementary

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



47.9349, 0.3194, 0.2603



66.4567, 0.3064, 0.4089

# 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.



47.9349, 0.2490, 0.3655



47.9349, 0.3194, 0.2603



47.9349, 0.3540, 0.4329

# Square

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



47.9349, 0.3194, 0.2603



47.9349, 0.4254, 0.3799



47.9349, 0.2982, 0.4148



47.9349, 0.2110, 0.2641



# Rectangle

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



47.9349, 0.3194, 0.2603



47.9349, 0.4065, 0.3212



47.9349, 0.2982, 0.4148



47.9349, 0.2260, 0.3264

# Sweetspot

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



47.9370, 0.3194, 0.2603



86.1345, 0.3146, 0.3081



39.5408, 0.2638, 0.2446



17.9908, 0.3149, 0.3047



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.



47.9370, 0.3194, 0.2603



55.3271, 0.3209, 0.2465



46.3120, 0.3486, 0.2948



14.5998, 0.3147, 0.3072



12.3502, 0.3362, 0.1626



0.9171, 0.3338, 0.1612



# Inverse Universe

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



47.9370, 0.3194, 0.2603



55.3271, 0.3209, 0.2465



67.8208, 0.2872, 0.3661



14.5998, 0.3147, 0.3072



12.3502, 0.3362, 0.1626



0.9171, 0.3338, 0.1612



# Previews

## White Background



This preview shows how the Yxy color 47.9349, 0.3194, 0.2603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

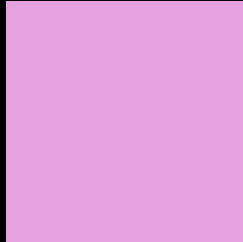
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.9349, 0.3194, 0.2603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

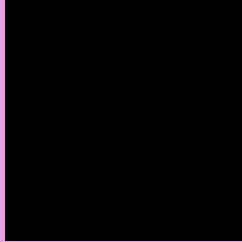
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.9349, 0.3194, 0.2603**

## Background



This preview shows how black text looks on a background with the Yxy color 47.9349, 0.3194, 0.2603.



This preview shows how white text looks on a background with the Yxy color 47.9349, 0.3194, 0.2603.

# 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

47.9349, 0.3194, 0.2603

### Protanopia

48.1229, 0.2628, 0.2599

### Deuteranopia

48.1068, 0.2845, 0.2778



## Tritanopia

47.8563, 0.3500, 0.3139

# Trichromacy



## Original Color

47.9349, 0.3194, 0.2603



## Protanomaly

47.6768, 0.2813, 0.2596



## Deuteranomaly

47.4942, 0.2962, 0.2701



## Tritanomaly

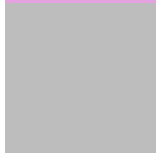
47.7222, 0.3388, 0.2936

# Monochromacy



## Original Color

47.9349, 0.3194, 0.2603



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

49.3418, 0.3157, 0.3014

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9349, 0.3194, 0.2603 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(229, 162, 225)` looks like.

```
.text, #text, p{  
    color:rgb(229, 162, 225)  
}
```

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(229, 162, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 162, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9349, 0.3194, 0.2603 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(229, 162, 225) }
```

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

```
.border{ border-color:rgb(229, 162, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 162, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 162, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 162, 225);  
box-shadow:4px 4px 4px 4px rgb(229, 162,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9349, 0.3194, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 162, 225) }
```

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

```
.background{ background-color: rgb(229,  
162, 225) }
```

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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