

Converting Colors

$Y_{xy}(49.2920, 0.3238, 0.2687)$

Have a look what the booklet for
Yxy(49.2920, 0.3238, 0.2687)
contains.

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Color

Yxy(49.3159, 0.3234, 0.2688)

Conversions

Conversions Part 1

Format	Color
Hex	E6A6DD
RGB	230, 166, 221
RGB Percent	90%, 65%, 87%
CMY	0.0979, 0.3491, 0.1332
CMYK	0.00, 0.28, 0.04, 0.10
HSL	308°, 56%, 78%
HSV	308°, 28%, 90%
XYZ	59.3332, 49.3159, 74.8178
YIQ	191.4060, 20.4890, 30.6730

Conversions

Conversions Part 2

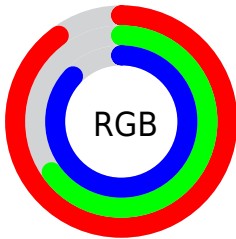
Format	Color
R_{YB}	230, 166, 221
Decimal	15115997
CIE _{Lab}	75.65, 32.29, -18.47
CIE _{LCh}	76, 37.202, 330.226
Yxy	49.3159, 0.3234, 0.2688
Android (android.graphics.Color)	4293306077 (0xFFE6A6DD)
YUV	191.4060, 14.5898, 33.8469
Hunter-Lab	70.2253, 27.9200, -14.0097

Details

The Yxy color $49.3159, 0.3234, 0.2688$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $67.8172, 0.3036, 0.3977$, and the grayscale version is $52.2556, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $23.5621, 0.3258, 0.2538$ is the 20% darker color. If you saturate the color by 10%, you get $41.5195, 0.3281, 0.2473$, and if you desaturate by 10%, it is $58.6157, 0.3191, 0.2908$.

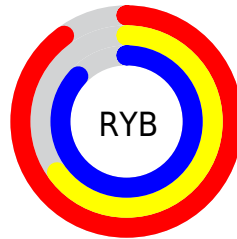
Distribution



Red (90%)

Green (65%)

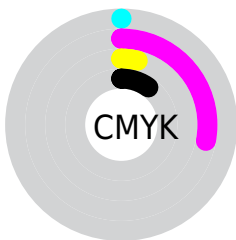
Blue (87%)



Red (90%)

Yellow (65%)

Blue (87%)

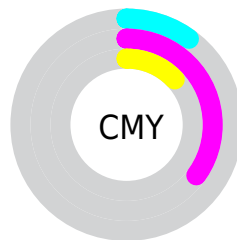


Cyan (0%)

Magenta (28%)

Yellow (4%)

Black (10%)



Cyan (10%)


Magenta (35%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3159, 0.3234, 0.2688 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 49.3159, 0.3234, 0.2688 by changing the saturation by 10% instead.

 49.3159, 0.3234,
0.2688


 49.3159, 0.3234,
0.2688

383.9846, 0.3188,
0.2971

 34.8701, 0.3244,
0.2623


 89.1605, 0.3219,
0.2787

 23.5629, 0.3255,
0.2541


 115.3280, 0.3212,
0.2825

 15.0097, 0.3269,
0.2438


146.1717, 0.3207,
0.2858

 8.8262, 0.3285,
0.2302

182.0758, 0.3202,
0.2886

 4.6280, 0.3304,
0.2116

223.4247, 0.3198,
0.2911

 2.0307, 0.3324,
0.1849

270.6029, 0.3194,

 0.6252, 0.3351,

0.2934

0.1391

323.9948, 0.3191,
0.2953

0.0000, 0.3010,
0.0000

0.0000, 0.0000,
0.0000

49.3159, 0.3234,
0.2688

49.3159, 0.3234,
0.2688

41.5195, 0.3281,
0.2473

58.6157, 0.3191,
0.2908

35.1402, 0.3332,
0.2271

69.4863, 0.3154,
0.3125

30.0930, 0.3386,
0.2091

81.9987, 0.3120,
0.3334

26.2811, 0.3441,
0.1945

94.2891, 0.3093,
0.3503

■ 23.5946, 0.3495,
0.1839

■ 94.4768, 0.3075,
0.3469

■ 21.9042, 0.3547,
0.1779

■ 94.6680, 0.3056,
0.3436

■ 21.0319, 0.3596,
0.1761

■ 94.8626, 0.3038,
0.3403

■ 20.8922, 0.3606,
0.1760

■ 95.0606, 0.3020,
0.3371

■ 95.2621, 0.3002,
0.3338

Harmonies

Analogous

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



49.3159, 0.2737, 0.2506



49.3159, 0.3234, 0.2688



49.3159, 0.3738, 0.3002

Triad

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



49.3159, 0.3234, 0.2688



49.3159, 0.3897, 0.4105



49.3159, 0.2260, 0.3067

Complementary

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



49.3159, 0.3234, 0.2688



67.8172, 0.3036, 0.3977

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.



49.3159, 0.2525, 0.3574



49.3159, 0.3234, 0.2688



49.3159, 0.3464, 0.4216

Square

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



49.3159, 0.3234, 0.2688



49.3159, 0.4132, 0.3790



49.3159, 0.2961, 0.4023



49.3159, 0.2210, 0.2684

Rectangle

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



49.3159, 0.3234, 0.2688



49.3159, 0.3992, 0.3258



49.3159, 0.2961, 0.4023



49.3159, 0.2325, 0.3229

Sweetspot

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



49.3181, 0.3234, 0.2688



87.4844, 0.3154, 0.3121



42.0406, 0.2706, 0.2500



18.2538, 0.3160, 0.3088



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.



49.3181, 0.3234, 0.2688



56.8099, 0.3259, 0.2572



47.7907, 0.3513, 0.3024



14.5785, 0.3159, 0.3090



11.8369, 0.3599, 0.1756



0.8843, 0.3533, 0.1720

Inverse Universe

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



49.3181, 0.3234, 0.2688



56.8099, 0.3259, 0.2572



69.2054, 0.2853, 0.3574



14.5785, 0.3159, 0.3090



11.8369, 0.3599, 0.1756



0.8843, 0.3533, 0.1720

Previews

White Background



This preview shows how the Yxy color 49.3159, 0.3234, 0.2688 looks on a white background.

Color Contrast Check

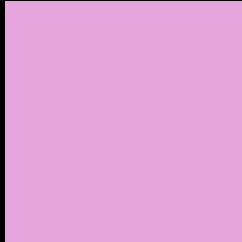
Large Text (above 18pt) WCAG AA × Fail

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 49.3159, 0.3234, 0.2688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

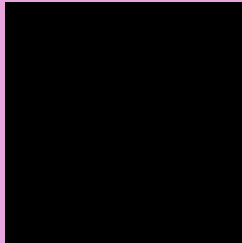
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3159, 0.3234, 0.2688

Background



This preview shows how black text looks on a background with the Yxy color 49.3159, 0.3234, 0.2688.



This preview shows how white text looks on a background with the Yxy color 49.3159, 0.3234, 0.2688.

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

49.3159, 0.3234, 0.2688

Protanopia

49.7524, 0.2704, 0.2697

Deuteranopia

49.4650, 0.2921, 0.2854



Tritanopia

49.0578, 0.3487, 0.3129

Trichromacy



Original Color

49.3159, 0.3234, 0.2688



Protanomaly

49.1000, 0.2880, 0.2690



Deuteranomaly

49.1443, 0.3034, 0.2787



Tritanomaly

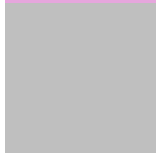
49.2039, 0.3393, 0.2962

Monochromacy



Original Color

49.3159, 0.3234, 0.2688



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.6993, 0.3164, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3159, 0.3234, 0.2688 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(230, 166, 221)` looks like.

```
.text, #text, p{  
    color:rgb(230, 166, 221)  
}
```

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(230, 166, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 166, 221) }
```

Border

The CSS property to change the border of an element to Yxy 49.3159, 0.3234, 0.2688 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(230, 166, 221) }
```

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

```
.border{ border-color:rgb(230, 166, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 166, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 166, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 166, 221);  
box-shadow:4px 4px 4px 4px rgb(230, 166,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3159, 0.3234, 0.2688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 166, 221) }
```

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

```
.background{ background-color: rgb(230,  
166, 221) }
```

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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