

Converting Colors

$Y_{xy}(49.1758, 0.3453, 0.2885)$

Have a look what the booklet for
Yxy(49.1758, 0.3453, 0.2885)
contains.

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Color

Yxy(49.0074, 0.3454, 0.2884)

Conversions

Conversions Part 1

Format	Color
Hex	ECA5CA
RGB	236, 165, 202
RGB Percent	93%, 65%, 79%
CMY	0.0747, 0.3528, 0.2079
CMYK	0.00, 0.30, 0.14, 0.07
HSL	329°, 65%, 79%
HSV	329°, 30%, 93%
XYZ	58.6933, 49.0074, 62.2278
YIQ	190.4470, 30.4390, 26.5590

Conversions

Conversions Part 2

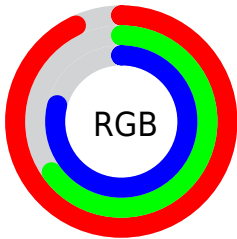
Format	Color
R _Y B	236, 165, 202
Decimal	15508938
CIE Lab	75.46, 31.57, -8.29
CIE LCh	75, 32.645, 345.288
Yxy	49.0074, 0.3454, 0.2884
Android (android.graphics.Color)	4293699018 (0xFFECA5CA)
YUV	190.4470, 5.6956, 39.9500
Hunter-Lab	70.0053, 27.1474, -3.6993

Details

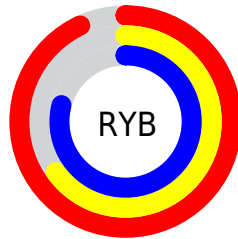
The Yxy color **49.0074, 0.3454, 0.2884** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **72.0895, 0.2893, 0.3737**, and the grayscale version is **51.7173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1929, 0.3143, 0.2960**, and **23.3102, 0.3540, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **40.7507, 0.3607, 0.2745**, and if you desaturate by 10%, it is **58.8780, 0.3325, 0.3024**.

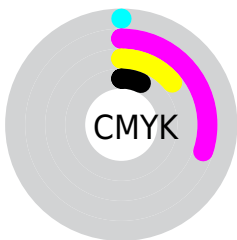
Distribution



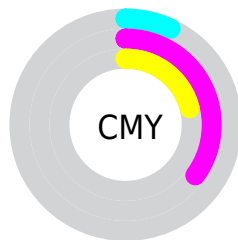
- Red (93%)
- Green (65%)
- Blue (79%)



- Red (93%)
- Yellow (65%)
- Blue (79%)



- Cyan (0%)
- Magenta (30%)
- Yellow (14%)
- Black (7%)



- Cyan (7%)
- Magenta (35%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0074, 0.3454, 0.2884 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 49.0074, 0.3454, 0.2884 by changing the saturation by 10% instead.

 49.0074, 0.3454,
0.2884


 49.0074, 0.3454,
0.2884


382.7715, 0.3295,
0.3079

 34.6254, 0.3492,
0.2838


 88.7024, 0.3397,
0.2953

 23.3744, 0.3541,
0.2780

 114.7842, 0.3376,
0.2979

 14.8702, 0.3604,
0.2705


145.5347, 0.3357,
0.3002

 8.7284, 0.3690,
0.2604

181.3383, 0.3342,
0.3022

 4.5644, 0.3812,
0.2462

222.5794, 0.3328,
0.3039

 1.9940, 0.4003,
0.2247

269.6423, 0.3316,

 0.6040, 0.4373,

0.3054

0.1820

322.9115, 0.3305,
0.3067

0.0000, 0.9018,
0.0000

0.0000, 0.0000,
0.0000

49.0074, 0.3454,
0.2884

49.0074, 0.3454,
0.2884

40.7507, 0.3607,
0.2745

58.8780, 0.3325,
0.3024

34.0139, 0.3784,
0.2616

70.4364, 0.3217,
0.3160

28.7035, 0.3986,
0.2505

83.7601, 0.3128,
0.3289

24.7131, 0.4208,
0.2426

96.0717, 0.3055,
0.3367

■ 21.9206, 0.4442,
0.2390

■ 96.5645, 0.3011,
0.3290

■ 20.1814, 0.4677,
0.2408

■ 19.2525, 0.4902,
0.2474

Harmonies

Analogous

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



49.0074, 0.2996, 0.2656



49.0074, 0.3454, 0.2884



49.0074, 0.3840, 0.3208

Triad

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



49.0074, 0.3454, 0.2884



49.0074, 0.3634, 0.4086



49.0074, 0.2309, 0.2909

Complementary

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



49.0074, 0.3454, 0.2884



72.0895, 0.2893, 0.3737

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.



49.0074, 0.2454, 0.3314



49.0074, 0.3454, 0.2884



49.0074, 0.3206, 0.4046

Square

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



49.0074, 0.3454, 0.2884



49.0074, 0.3939, 0.3893



49.0074, 0.2775, 0.3751



49.0074, 0.2363, 0.2649

Rectangle

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



49.0074, 0.3454, 0.2884



49.0074, 0.3989, 0.3449



49.0074, 0.2775, 0.3751



49.0074, 0.2336, 0.3032

Sweetspot

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



49.0096, 0.3454, 0.2884



85.5334, 0.3207, 0.3174



44.9984, 0.2850, 0.2470



17.8422, 0.3221, 0.3154



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.



49.0096, 0.3454, 0.2884



52.2297, 0.3544, 0.2799



47.5512, 0.3780, 0.3265



15.1851, 0.3211, 0.3168



10.6436, 0.4868, 0.2455



0.8552, 0.4575, 0.2294

Inverse Universe

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



49.0096, 0.3454, 0.2884



52.2297, 0.3544, 0.2799



73.8824, 0.2706, 0.3316



15.1851, 0.3211, 0.3168



10.6436, 0.4868, 0.2455



0.8552, 0.4575, 0.2294

Previews

White Background



This preview shows how the Yxy color 49.0074, 0.3454, 0.2884 looks on a white background.

Color Contrast Check

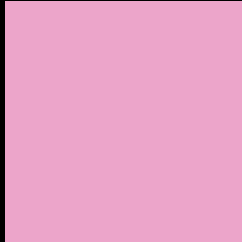
Large Text (above 18pt) WCAG AA × Fail

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 49.0074, 0.3454, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

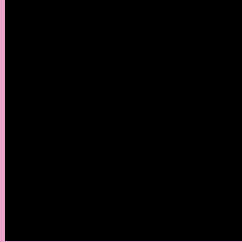
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0074, 0.3454, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 49.0074, 0.3454, 0.2884.



This preview shows how white text looks on a background with the Yxy color 49.0074, 0.3454, 0.2884.

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

49.0074, 0.3454, 0.2884

Protanopia

49.4280, 0.2874, 0.2918

Deuteranopia

49.1770, 0.3129, 0.3070



Tritanopia

49.2458, 0.3612, 0.3145

Trichromacy



Original Color

49.0074, 0.3454, 0.2884



Protanomaly

48.9114, 0.3069, 0.2907



Deuteranomaly

48.8271, 0.3246, 0.2995



Tritanomaly

49.3416, 0.3559, 0.3057

Monochromacy



Original Color

49.0074, 0.3454, 0.2884



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

50.2082, 0.3246, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0074, 0.3454, 0.2884 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(236, 165, 202)` looks like.

```
.text, #text, p{  
    color:rgb(236, 165, 202)  
}
```

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(236, 165, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 165, 202) }
```

Border

The CSS property to change the border of an element to Yxy 49.0074, 0.3454, 0.2884 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(236, 165, 202) }
```

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

```
.border{ border-color:rgb(236, 165, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 165, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 165, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 165, 202);  
box-shadow:4px 4px 4px 4px rgb(236, 165,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0074, 0.3454, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 165, 202) }
```

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

```
.background{ background-color: rgb(236,  
165, 202) }
```

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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