

Converting Colors

$Y_{xy}(38.4773, 0.3499, 0.2669)$

Have a look what the booklet for
Yxy(38.4773, 0.3499, 0.2669)
contains.

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Color

Yxy(38.3581, 0.3501, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	E38AC1
RGB	227, 138, 193
RGB Percent	89%, 54%, 76%
CMY	0.1098, 0.4588, 0.2432
CMYK	0.00, 0.39, 0.15, 0.11
HSL	323°, 61%, 72%
HSV	323°, 39%, 89%
XYZ	50.3909, 38.3581, 55.1838
YIQ	170.8810, 35.3890, 35.9730

Conversions

Conversions Part 2

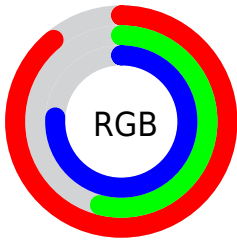
Format	Color
R _Y B	227, 138, 193
Decimal	14912193
CIE _{Lab}	68.28, 41.38, -14.14
CIE _{LCh}	68, 43.734, 341.134
Yxy	38.3581, 0.3501, 0.2665
Android (android.graphics.Color)	4293102273 (0xFFE38AC1)
YUV	170.8810, 10.9047, 49.2164
Hunter-Lab	61.9339, 36.8474, -9.4743

Details

The Yxy color **38.3581, 0.3501, 0.2665** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.3242, 0.2881, 0.4018**, and the grayscale version is **40.5937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2395, 0.3199, 0.2737**, and **17.0657, 0.3610, 0.2508** is the 20% darker color. If you saturate the color by 10%, you get **32.1363, 0.3637, 0.2512**, and if you desaturate by 10%, it is **45.9674, 0.3382, 0.2827**.

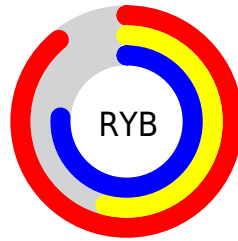
Distribution



Red (89%)

Green (54%)

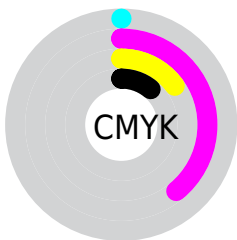
Blue (76%)



Red (89%)

Yellow (54%)

Blue (76%)

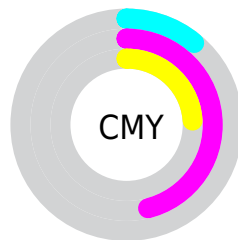


Cyan (0%)

Magenta (39%)

Yellow (15%)

Black (11%)



Cyan (11%)


Magenta (46%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3581, 0.3501, 0.2665 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 38.3581, 0.3501, 0.2665 by changing the saturation by 10% instead.


 38.3581, 0.3501,
0.2665

 38.3581, 0.3501,
0.2665


339.1536, 0.3316,
0.2971


 26.2607, 0.3546,
0.2591


 72.6567, 0.3434,
0.2774

 17.0188, 0.3604,
0.2497


 95.6267, 0.3409,
0.2816

 10.2479, 0.3680,
0.2375


 122.9897, 0.3388,
0.2851

 5.5636, 0.3784,
0.2210

155.1301, 0.3370,
0.2882

 2.5816, 0.3935,
0.1974

192.4323, 0.3354,
0.2908

 0.9174, 0.4172,
0.1616

235.2807, 0.3340,


 0.0000, 0.5149,


0.2932


0.0000

284.0597, 0.3327,
0.2952


 0.0000, 0.0000,
0.0000

 38.3581, 0.3501,
0.2665

 38.3581, 0.3501,
0.2665


 32.1363, 0.3637,
0.2512


 45.9674, 0.3382,
0.2827


 27.2107, 0.3790,
0.2378


 55.0372, 0.3280,
0.2990


 23.4877, 0.3956,
0.2275


 65.6420, 0.3194,
0.3150

 20.8584, 0.4130,
0.2214

 77.8494, 0.3122,
0.3302

 19.1941, 0.4305,
0.2204


 91.7229, 0.3062,
0.3444

 18.2906, 0.4475,
0.2243

 94.4474, 0.3012,
0.3390

 18.2309, 0.4489,
0.2247

 94.9903, 0.2965,
0.3302

 95.0715, 0.2958,
0.3290

Harmonies

Analogous

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



38.3581, 0.2841, 0.2378



38.3581, 0.3501, 0.2665



38.3581, 0.4103, 0.3088

Triad

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



38.3581, 0.3501, 0.2665



38.3581, 0.3907, 0.4412



38.3581, 0.1993, 0.2788

Complementary

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



38.3581, 0.3501, 0.2665



63.3242, 0.2881, 0.4018

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.



38.3581, 0.2216, 0.3399



38.3581, 0.3501, 0.2665



38.3581, 0.3305, 0.4453

Square

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



38.3581, 0.3501, 0.2665



38.3581, 0.4325, 0.4058



38.3581, 0.2686, 0.4062



38.3581, 0.2032, 0.2408

Rectangle

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



38.3581, 0.3501, 0.2665



38.3581, 0.4352, 0.3412



38.3581, 0.2686, 0.4062



38.3581, 0.2038, 0.2971

Sweetspot

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



38.3599, 0.3501, 0.2665



81.2757, 0.3217, 0.3105



32.3431, 0.2665, 0.2173



16.9995, 0.3228, 0.3084



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.



38.3599, 0.3501, 0.2665



43.2418, 0.3610, 0.2540



36.7088, 0.3974, 0.3153



14.5169, 0.3196, 0.3146



10.6554, 0.4465, 0.2233



0.8054, 0.4232, 0.2105

Inverse Universe

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



38.3599, 0.3501, 0.2665



43.2418, 0.3610, 0.2540



65.2576, 0.2646, 0.3438



14.5169, 0.3196, 0.3146



10.6554, 0.4465, 0.2233



0.8054, 0.4232, 0.2105

Previews

White Background



This preview shows how the Yxy color 38.3581, 0.3501, 0.2665 looks on a white background.

Color Contrast Check

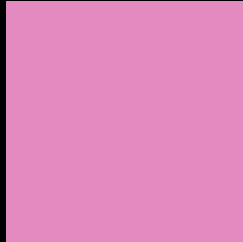
Large Text (above 18pt) WCAG AA × Fail

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 38.3581, 0.3501, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

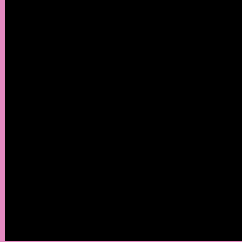
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3581, 0.3501, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 38.3581, 0.3501, 0.2665.



This preview shows how white text looks on a background with the Yxy color 38.3581, 0.3501, 0.2665.

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

38.3581, 0.3501, 0.2665

Protanopia

38.5820, 0.2683, 0.2673

Deuteranopia

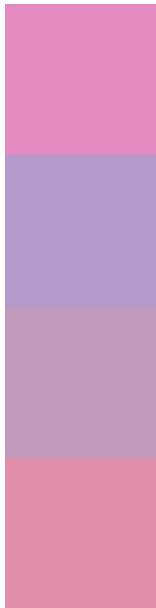
38.7527, 0.2998, 0.2940



Tritanopia

38.3391, 0.3838, 0.3161

Trichromacy



Original Color

38.3581, 0.3501, 0.2665

Protanomaly

37.6261, 0.2945, 0.2659

Deuteranomaly

38.1664, 0.3177, 0.2831

Tritanomaly

38.0579, 0.3717, 0.2973

Monochromacy



Original Color

38.3581, 0.3501, 0.2665

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.1273, 0.3254, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3581, 0.3501, 0.2665 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(227, 138, 193)` looks like.

```
.text, #text, p{  
    color:rgb(227, 138, 193)  
}
```

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(227, 138, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 138, 193) }
```

Border

The CSS property to change the border of an element to Yxy 38.3581, 0.3501, 0.2665 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(227, 138, 193) }
```

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

```
.border{ border-color:rgb(227, 138, 193) }
```

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

Here you see how a box with a 4 pixel rgb(227, 138, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 138, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 138, 193);  
box-shadow:4px 4px 4px 4px rgb(227, 138,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3581, 0.3501, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 138, 193) }
```

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

```
.background{ background-color: rgb(227,  
138, 193) }
```

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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