

Converting Colors

$Y_{xy}(49.7215, 0.3312, 0.2745)$

Have a look what the booklet for
Yxy(49.7215, 0.3312, 0.2745)
contains.

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Color

Yxy(49.7227, 0.3311, 0.2746)

Conversions

Conversions Part 1

Format	Color
Hex	EAA6D8
RGB	234, 166, 216
RGB Percent	92%, 65%, 85%
CMY	0.0825, 0.3489, 0.1530
CMYK	0.00, 0.29, 0.08, 0.08
HSL	316°, 62%, 78%
HSV	316°, 29%, 92%
XYZ	59.9533, 49.7227, 71.3972
YIQ	192.0320, 24.4780, 29.9660

Conversions

Conversions Part 2

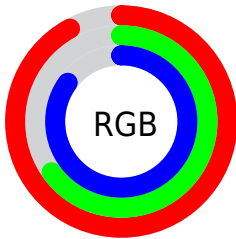
Format	Color
R_{YB}	234, 166, 216
Decimal	15378136
CIE _{Lab}	75.90, 32.69, -15.31
CIE _{LCh}	76, 36.098, 334.907
Yxy	49.7227, 0.3311, 0.2746
Android (android.graphics.Color)	4293568216 (0xFFEAA6D8)
YUV	192.0320, 11.8162, 36.8059
Hunter-Lab	70.5143, 28.3658, -10.6723

Details

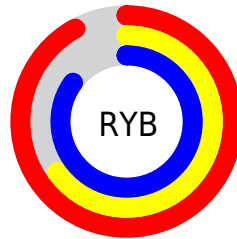
The Yxy color $49.7227, 0.3311, 0.2746$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70.3969, 0.2984, 0.3905$, and the grayscale version is $52.6517, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $23.7306, 0.3352, 0.2611$ is the 20% darker color. If you saturate the color by 10%, you get $41.6629, 0.3394, 0.2557$, and if you desaturate by 10%, it is $59.3464, 0.3238, 0.2938$.

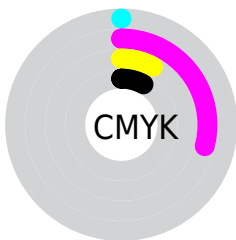
Distribution



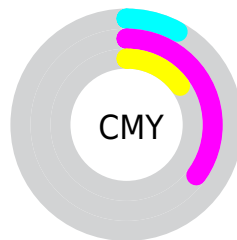
- Red (92%)
- Green (65%)
- Blue (85%)



- Red (92%)
- Yellow (65%)
- Blue (85%)



- Cyan (0%)
- Magenta (29%)
- Yellow (8%)
- Black (8%)





- Cyan (8%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7227, 0.3311, 0.2746 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 49.7227, 0.3311, 0.2746 by changing the saturation by 10% instead.


 49.7227, 0.3311,
0.2746


 49.7227, 0.3311,
0.2746


385.5805, 0.3226,
0.3002

 35.1931, 0.3330,
0.2686


 89.7639, 0.3281,
0.2836

 23.8117, 0.3354,
0.2612


 116.0443, 0.3270,
0.2871

 15.1940, 0.3385,
0.2517


147.0104, 0.3260,
0.2900

 8.9556, 0.3424,
0.2392

183.0466, 0.3251,
0.2926

 4.7123, 0.3476,
0.2220

224.5373, 0.3244,
0.2949

 2.0794, 0.3550,
0.1970

271.8670, 0.3237,

 0.6530, 0.3674,

0.2969

0.1537

325.4199, 0.3231,
0.2987

0.0000, 0.3889,
0.0000

0.0000, 0.0000,
0.0000

49.7227, 0.3311,
0.2746

49.7227, 0.3311,
0.2746

41.6629, 0.3394,
0.2557

59.3464, 0.3238,
0.2938

35.0762, 0.3487,
0.2379

70.6049, 0.3176,
0.3126

29.8727, 0.3588,
0.2223

83.5731, 0.3122,
0.3307

25.9500, 0.3695,
0.2098

95.3429, 0.3079,
0.3432

■ 23.1914, 0.3805,
0.2015

■ 95.7186, 0.3044,
0.3370

■ 21.4586, 0.3914,
0.1981

■ 96.1070, 0.3009,
0.3308

■ 20.5397, 0.4019,
0.1991

■ 96.2269, 0.2999,
0.3290

■ 20.4681, 0.4030,
0.1993

Harmonies

Analogous

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



49.7227, 0.2819, 0.2546



49.7227, 0.3311, 0.2746



49.7227, 0.3784, 0.3067

Triad

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



49.7227, 0.3311, 0.2746



49.7227, 0.3819, 0.4113



49.7227, 0.2264, 0.3007

Complementary

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



49.7227, 0.3311, 0.2746



70.3969, 0.2984, 0.3905

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.



49.7227, 0.2491, 0.3487



49.7227, 0.3311, 0.2746



49.7227, 0.3380, 0.4176

Square

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



49.7227, 0.3311, 0.2746



49.7227, 0.4081, 0.3832



49.7227, 0.2894, 0.3942



49.7227, 0.2248, 0.2662

Rectangle

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



49.7227, 0.3311, 0.2746



49.7227, 0.4006, 0.3321



49.7227, 0.2894, 0.3942



49.7227, 0.2317, 0.3158

Sweetspot

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



49.7249, 0.3311, 0.2746



85.8365, 0.3176, 0.3126



43.2876, 0.2745, 0.2474



17.9170, 0.3184, 0.3099



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.



49.7249, 0.3311, 0.2746



54.2331, 0.3361, 0.2630



48.1867, 0.3610, 0.3100



15.2418, 0.3178, 0.3118



11.5275, 0.4014, 0.1985



0.9209, 0.3877, 0.1909

Inverse Universe

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



49.7249, 0.3311, 0.2746



54.2331, 0.3361, 0.2630



71.9451, 0.2798, 0.3491



15.2418, 0.3178, 0.3118



11.5275, 0.4014, 0.1985



0.9209, 0.3877, 0.1909

Previews

White Background



This preview shows how the Yxy color 49.7227, 0.3311, 0.2746 looks on a white background.

Color Contrast Check

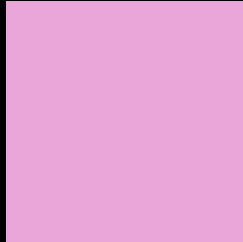
Large Text (above 18pt) WCAG AA × Fail

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 49.7227, 0.3311, 0.2746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

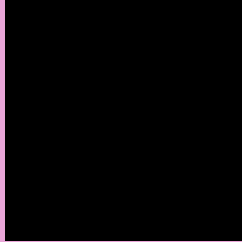
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7227, 0.3311, 0.2746

Background



This preview shows how black text looks on a background with the Yxy color 49.7227, 0.3311, 0.2746.



This preview shows how white text looks on a background with the Yxy color 49.7227, 0.3311, 0.2746.

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

49.7227, 0.3311, 0.2746

Protanopia

50.2399, 0.2758, 0.2768

Deuteranopia

50.1404, 0.2989, 0.2928



Tritanopia

49.8308, 0.3541, 0.3143

Trichromacy



Original Color

49.7227, 0.3311, 0.2746



Protanomaly

49.6278, 0.2940, 0.2760



Deuteranomaly

49.8546, 0.3105, 0.2859



Tritanomaly

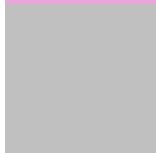
49.7239, 0.3455, 0.2999

Monochromacy



Original Color

49.7227, 0.3311, 0.2746



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.3494, 0.3188, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7227, 0.3311, 0.2746 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(234, 166, 216)` looks like.

```
.text, #text, p{  
    color:rgb(234, 166, 216)  
}
```

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(234, 166, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 166, 216) }
```

Border

The CSS property to change the border of an element to Yxy 49.7227, 0.3311, 0.2746 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(234, 166, 216) }
```

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

```
.border{ border-color:rgb(234, 166, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 166, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 166, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 166, 216);  
box-shadow:4px 4px 4px 4px rgb(234, 166,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7227, 0.3311, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 166, 216) }
```

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

```
.background{ background-color: rgb(234,  
166, 216) }
```

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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