

Converting Colors

$Y_{xy}(48.2781, 0.3342, 0.2687)$

Have a look what the booklet for
Yxy(48.2781, 0.3342, 0.2687)
contains.

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Color

Yxy(48.1040, 0.3344, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	EDA0D8
RGB	237, 160, 216
RGB Percent	93%, 63%, 85%
CMY	0.0706, 0.3725, 0.1529
CMYK	0.00, 0.32, 0.09, 0.07
HSL	316°, 68%, 78%
HSV	316°, 32%, 93%
XYZ	59.8882, 48.1040, 71.0994
YIQ	189.4070, 27.9160, 33.7400

Conversions

Conversions Part 2

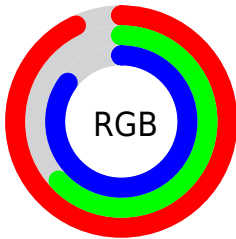
Format	Color
R _Y B	237, 160, 216
Decimal	15573208
CIE Lab	74.89, 36.88, -16.81
CIE LCh	75, 40.530, 335.504
Yxy	48.1040, 0.3344, 0.2686
Android (android.graphics.Color)	4293763288 (0xFFEDA0D8)
YUV	189.4070, 13.1103, 41.7391
Hunter-Lab	69.3570, 32.7558, -12.2295

Details

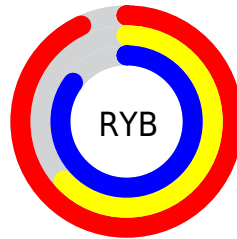
The Yxy color **48.1040, 0.3344, 0.2686** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **71.3723, 0.2965, 0.3983**, and the grayscale version is **51.0470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **22.7919, 0.3397, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **40.3296, 0.3433, 0.2501**, and if you desaturate by 10%, it is **57.4620, 0.3266, 0.2876**.

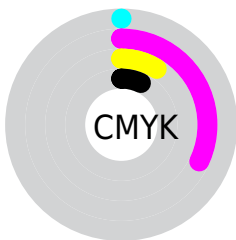
Distribution



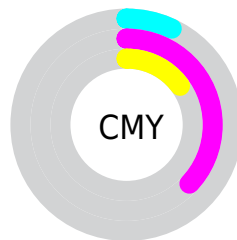
- Red (93%)
- Green (63%)
- Blue (85%)



- Red (93%)
- Yellow (63%)
- Blue (85%)



- Cyan (0%)
- Magenta (32%)
- Yellow (9%)
- Black (7%)





- Cyan (7%)
- Magenta (37%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1040, 0.3344, 0.2686 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 48.1040, 0.3344, 0.2686 by changing the saturation by 10% instead.


 48.1040, 0.3344,
0.2686


 48.1040, 0.3344,
0.2686


379.2042, 0.3243,
0.2971

 33.9093, 0.3367,
0.2620


 87.3592, 0.3309,
0.2786

 22.8239, 0.3395,
0.2538


 113.1885, 0.3296,
0.2824

 14.4635, 0.3431,
0.2433


143.6647, 0.3284,
0.2857

 8.4438, 0.3477,
0.2295


179.1723, 0.3274,
0.2886

 4.3802, 0.3539,
0.2106

220.0957, 0.3265,
0.2911

 1.8884, 0.3626,
0.1832

266.8192, 0.3257,

 0.5414, 0.3790,

0.2933

0.1320

319.7272, 0.3250,
0.2953

0.0000, 0.3935,
0.0000

0.0000, 0.0000,
0.0000

48.1040, 0.3344,
0.2686

48.1040, 0.3344,
0.2686

40.3296, 0.3433,
0.2501

57.4620, 0.3266,
0.2876

34.0427, 0.3532,
0.2331

68.4794, 0.3198,
0.3064

29.1474, 0.3639,
0.2186

81.2349, 0.3140,
0.3246

25.5332, 0.3752,
0.2076

95.8004, 0.3091,
0.3419

■ 23.0731, 0.3866,
0.2011

■ 96.3188, 0.3055,
0.3356

■ 21.6138, 0.3978,
0.1995

■ 96.7273, 0.3019,
0.3292

■ 20.9964, 0.4060,
0.2010

■ 96.7426, 0.3017,
0.3290

Harmonies

Analogous

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



48.1040, 0.2786, 0.2461



48.1040, 0.3344, 0.2686



48.1040, 0.3882, 0.3044

Triad

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



48.1040, 0.3344, 0.2686



48.1040, 0.3895, 0.4223



48.1040, 0.2155, 0.2953

Complementary

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



48.1040, 0.3344, 0.2686



71.3723, 0.2965, 0.3983

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.



48.1040, 0.2400, 0.3499



48.1040, 0.3344, 0.2686



48.1040, 0.3395, 0.4301

Square

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



48.1040, 0.3344, 0.2686



48.1040, 0.4203, 0.3899



48.1040, 0.2847, 0.4030



48.1040, 0.2144, 0.2573

Rectangle

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



48.1040, 0.3344, 0.2686



48.1040, 0.4132, 0.3326



48.1040, 0.2847, 0.4030



48.1040, 0.2211, 0.3122

Sweetspot

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



48.1062, 0.3344, 0.2686



84.3561, 0.3183, 0.3110



41.0271, 0.2699, 0.2366



17.6214, 0.3192, 0.3083



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.



48.1062, 0.3344, 0.2686



50.4818, 0.3402, 0.2562



46.3611, 0.3701, 0.3090



15.2396, 0.3179, 0.3120



11.4877, 0.4043, 0.2001



0.9181, 0.3901, 0.1922

Inverse Universe

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



48.1062, 0.3344, 0.2686



50.4818, 0.3402, 0.2562



73.1524, 0.2757, 0.3503



15.2396, 0.3179, 0.3120



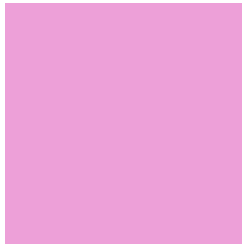
11.4877, 0.4043, 0.2001



0.9181, 0.3901, 0.1922

Previews

White Background



This preview shows how the Yxy color 48.1040, 0.3344, 0.2686 looks on a white background.

Color Contrast Check

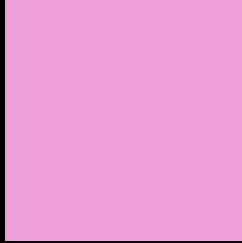
Large Text (above 18pt) WCAG AA × Fail

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 48.1040, 0.3344, 0.2686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

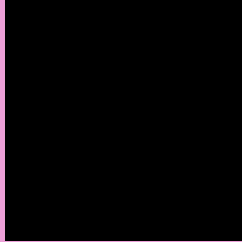
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1040, 0.3344, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 48.1040, 0.3344, 0.2686.



This preview shows how white text looks on a background with the Yxy color 48.1040, 0.3344, 0.2686.

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

48.1040, 0.3344, 0.2686

Protanopia

48.5774, 0.2700, 0.2692

Deuteranopia

48.3431, 0.2964, 0.2898



Tritanopia

48.0885, 0.3617, 0.3144

Trichromacy



Original Color

48.1040, 0.3344, 0.2686



Protanomaly

47.8867, 0.2909, 0.2688



Deuteranomaly

47.9566, 0.3098, 0.2820



Tritanomaly

47.8936, 0.3521, 0.2967

Monochromacy



Original Color

48.1040, 0.3344, 0.2686



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.0861, 0.3199, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1040, 0.3344, 0.2686 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(237, 160, 216)` looks like.

```
.text, #text, p{  
    color:rgb(237, 160, 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(237, 160, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 160, 216) }
```

Border

The CSS property to change the border of an element to Yxy 48.1040, 0.3344, 0.2686 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(237, 160, 216) }
```

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

```
.border{ border-color:rgb(237, 160, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 160, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 160, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 160, 216);  
box-shadow:4px 4px 4px 4px rgb(237, 160,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1040, 0.3344, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 160, 216) }
```

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

```
.background{ background-color: rgb(237,  
160, 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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