

Converting Colors

$Y_{xy}(48.5512, 0.3490, 0.2992)$

Have a look what the booklet for
Yxy(48.5512, 0.3490, 0.2992)
contains.

Yxy(48.6435, 0.3497, 0.2999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.6435, 0.3497, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	E8A7C1
RGB	232, 167, 193
RGB Percent	91%, 65%, 76%
CMY	0.0902, 0.3451, 0.2432
CMYK	0.00, 0.28, 0.17, 0.09
HSL	336°, 59%, 78%
HSV	336°, 28%, 91%
XYZ	56.7210, 48.6435, 56.8346
YIQ	189.3990, 30.3940, 21.8660

Conversions

Conversions Part 2

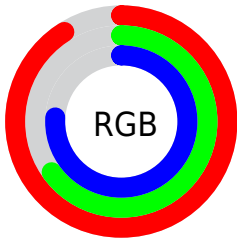
Format	Color
R _Y B	232, 167, 193
Decimal	15247297
CIE Lab	75.23, 27.73, -3.74
CIE LCh	75, 27.981, 352.316
Yxy	48.6435, 0.3497, 0.2999
Android (android.graphics.Color)	4293437377 (0xFFE8A7C1)
YUV	189.3990, 1.7753, 37.3611
Hunter-Lab	69.7449, 23.1141, 0.5065

Details

The Yxy color **48.6435, 0.3497, 0.2999** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **70.3895, 0.2863, 0.3603**, and the grayscale version is **51.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8749, 0.3181, 0.3036**, and **23.0420, 0.3588, 0.2908** is the 20% darker color. If you saturate the color by 10%, you get **40.3009, 0.3685, 0.2891**, and if you desaturate by 10%, it is **58.5739, 0.3341, 0.3107**.

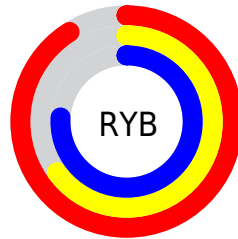
Distribution



Red (91%)

Green (65%)

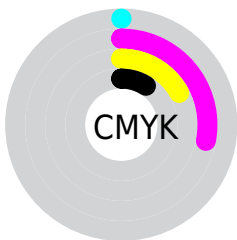
Blue (76%)



Red (91%)

Yellow (65%)

Blue (76%)

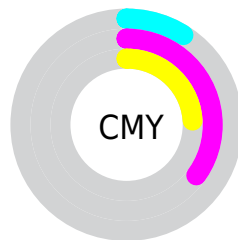


Cyan (0%)

Magenta (28%)

Yellow (17%)

Black (9%)



Cyan (9%)


Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6435, 0.3497, 0.2999 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 48.6435, 0.3497, 0.2999 by changing the saturation by 10% instead.


 48.6435, 0.3497,
0.2999


 48.6435, 0.3497,
0.2999


381.3372, 0.3315,
0.3141

 34.3368, 0.3542,
0.2965


 88.1617, 0.3431,
0.3050

 23.1524, 0.3599,
0.2921


 114.1420, 0.3407,
0.3069

 14.7061, 0.3674,
0.2864


144.7823, 0.3385,
0.3086

 8.6134, 0.3777,
0.2787

180.4670, 0.3367,
0.3100

 4.4899, 0.3928,
0.2675

221.5804, 0.3352,
0.3112

 1.9512, 0.4169,
0.2501

268.5070, 0.3338,

 0.5789, 0.4671,

0.3123

0.2098

321.6311, 0.3326,
0.3132

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.6435, 0.3497,
0.2999

48.6435, 0.3497,
0.2999

40.3009, 0.3685,
0.2891

58.5739, 0.3341,
0.3107

33.4564, 0.3907,
0.2789

70.1625, 0.3213,
0.3211

28.0212, 0.4165,
0.2702

83.4834, 0.3108,
0.3309

23.8946, 0.4454,
0.2643

95.4973, 0.3022,
0.3352

■ 20.9624, 0.4763,
0.2624

■ 95.8963, 0.2988,
0.3290

■ 19.0899, 0.5073,
0.2655

■ 18.0906, 0.5361,
0.2738

■ 17.9409, 0.5416,
0.2757

Harmonies

Analogous

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



48.6435, 0.3108, 0.2774



48.6435, 0.3497, 0.2999



48.6435, 0.3794, 0.3296

Triad

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



48.6435, 0.3497, 0.2999



48.6435, 0.3487, 0.3983



48.6435, 0.2412, 0.2900

Complementary

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



48.6435, 0.3497, 0.2999



70.3895, 0.2863, 0.3603

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.



48.6435, 0.2500, 0.3226



48.6435, 0.3497, 0.2999



48.6435, 0.3109, 0.3892

Square

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



48.6435, 0.3497, 0.2999



48.6435, 0.3781, 0.3866



48.6435, 0.2749, 0.3602



48.6435, 0.2499, 0.2706

Rectangle

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



48.6435, 0.3497, 0.2999



48.6435, 0.3888, 0.3507



48.6435, 0.2749, 0.3602



48.6435, 0.2422, 0.2997

Sweetspot

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



48.6457, 0.3497, 0.2999



86.9038, 0.3213, 0.3211



46.5893, 0.2943, 0.2547



18.1073, 0.3231, 0.3195



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.



48.6457, 0.3497, 0.2999



53.6848, 0.3609, 0.2932



50.0288, 0.3720, 0.3366



14.4629, 0.3230, 0.3196



9.9831, 0.5374, 0.2734



0.7557, 0.4988, 0.2521

Inverse Universe

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



48.6457, 0.3497, 0.2999



53.6848, 0.3609, 0.2932



68.1658, 0.2713, 0.3212



14.4629, 0.3230, 0.3196



9.9831, 0.5374, 0.2734



0.7557, 0.4988, 0.2521

Previews

White Background



This preview shows how the Yxy color 48.6435, 0.3497, 0.2999 looks on a white background.

Color Contrast Check

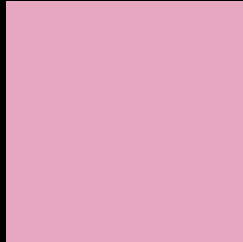
Large Text (above 18pt) WCAG AA × Fail

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 48.6435, 0.3497, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

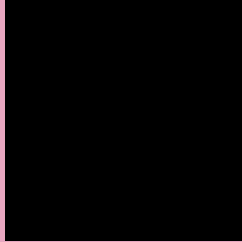
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6435, 0.3497, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 48.6435, 0.3497, 0.2999.



This preview shows how white text looks on a background with the Yxy color 48.6435, 0.3497, 0.2999.

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

48.6435, 0.3497, 0.2999

Protanopia

48.8310, 0.2975, 0.3039

Deuteranopia

48.8216, 0.3219, 0.3155



Tritanopia

48.7423, 0.3585, 0.3143

Trichromacy



Original Color

48.6435, 0.3497, 0.2999

Protanomaly

48.4284, 0.3148, 0.3023

Deuteranomaly

48.4628, 0.3313, 0.3088

Tritanomaly

48.5394, 0.3550, 0.3087

Monochromacy



Original Color

48.6435, 0.3497, 0.2999

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.7446, 0.3261, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6435, 0.3497, 0.2999 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(232, 167, 193)` looks like.

```
.text, #text, p{  
    color:rgb(232, 167, 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(232, 167, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 167, 193) }
```

Border

The CSS property to change the border of an element to Yxy 48.6435, 0.3497, 0.2999 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(232, 167, 193) }
```

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

```
.border{ border-color:rgb(232, 167, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 167, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 167, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 167, 193);  
box-shadow:4px 4px 4px 4px rgb(232, 167,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6435, 0.3497, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 167, 193) }
```

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

```
.background{ background-color: rgb(232,  
167, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor