

Converting Colors

$Yxy(44.9487, 0.3419, 0.2858)$

Have a look what the booklet for
Yxy(44.9487, 0.3419, 0.2858)
contains.

Yxy(44.9962, 0.3418, 0.2857)	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(44.9962, 0.3418, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	E29FC5
RGB	226, 159, 197
RGB Percent	89%, 62%, 77%
CMY	0.1139, 0.3764, 0.2275
CMYK	0.00, 0.30, 0.13, 0.11
HSL	326°, 54%, 75%
HSV	326°, 30%, 89%
XYZ	53.8316, 44.9962, 58.6667
YIQ	183.3650, 27.7340, 26.0220

Conversions

Conversions Part 2

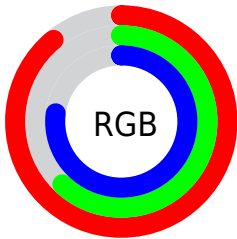
Format	Color
R _Y B	226, 159, 197
Decimal	14852037
CIE Lab	72.89, 30.54, -9.49
CIE LCh	73, 31.981, 342.743
Yxy	44.9962, 0.3418, 0.2857
Android (android.graphics.Color)	4293042117 (0xFFE29FC5)
YUV	183.3650, 6.7221, 37.3909
Hunter-Lab	67.0792, 25.8592, -4.8989

Details

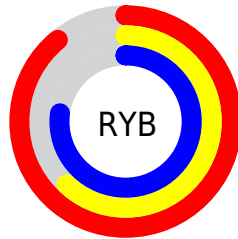
The Yxy color **44.9962, 0.3418, 0.2857** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.3787, 0.2915, 0.3769**, and the grayscale version is **47.5163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5089, 0.3153, 0.2900**, and **21.0446, 0.3504, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **37.4889, 0.3554, 0.2707**, and if you desaturate by 10%, it is **53.9573, 0.3302, 0.3008**.

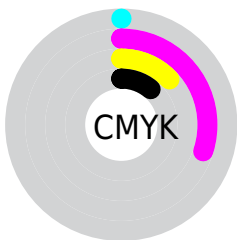
Distribution



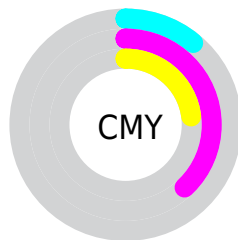
- Red (89%)
- Green (62%)
- Blue (77%)



- Red (89%)
- Yellow (62%)
- Blue (77%)



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (11%)



- Cyan (11%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9962, 0.3418, 0.2857 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 44.9962, 0.3418, 0.2857 by changing the saturation by 10% instead.


 44.9962, 0.3418,
0.2857

 44.9962, 0.3418,
0.2857


366.7582, 0.3276,
0.3067

 31.4544, 0.3453,
0.2806


 82.7147, 0.3367,
0.2932

 20.9451, 0.3497,
0.2743


 107.6602, 0.3347,
0.2960

 13.0839, 0.3555,
0.2660


137.1758, 0.3331,
0.2985

 7.4863, 0.3634,
0.2547

171.6458, 0.3317,
0.3006

 3.7681, 0.3748,
0.2387

211.4547, 0.3304,
0.3024

 1.5447, 0.3928,
0.2140

256.9868, 0.3294,

 0.3199, 0.4448,

0.3040

0.1333

308.6265, 0.3284,
0.3054

0.0000, 0.0000,
0.0000

44.9962, 0.3418,
0.2857

44.9962, 0.3418,
0.2857

37.4889, 0.3554,
0.2707

53.9573, 0.3302,
0.3008

31.3511, 0.3711,
0.2566

64.4382, 0.3205,
0.3155

26.4996, 0.3888,
0.2444

76.5083, 0.3124,
0.3295

22.8392, 0.4082,
0.2353

90.2306, 0.3057,
0.3426

20.2616, 0.4286,
0.2304

94.3307, 0.3002,
0.3382

■ 18.6380, 0.4492,
0.2308

■ 94.9034, 0.2952,
0.3289

■ 17.7544, 0.4692,
0.2360

■ 17.7264, 0.4700,
0.2363

Harmonies

Analogous

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



44.9962, 0.2958, 0.2638



44.9962, 0.3418, 0.2857



44.9962, 0.3819, 0.3177

Triad

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



44.9962, 0.3418, 0.2857



44.9962, 0.3671, 0.4083



44.9962, 0.2308, 0.2936

Complementary

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



44.9962, 0.3418, 0.2857



65.3787, 0.2915, 0.3769

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.



44.9962, 0.2470, 0.3352



44.9962, 0.3418, 0.2857



44.9962, 0.3245, 0.4067

Square

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



44.9962, 0.3418, 0.2857



44.9962, 0.3962, 0.3873



44.9962, 0.2806, 0.3788



44.9962, 0.2345, 0.2660

Rectangle

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



44.9962, 0.3418, 0.2857



44.9962, 0.3983, 0.3419



44.9962, 0.2806, 0.3788



44.9962, 0.2340, 0.3063

Sweetspot

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



44.9982, 0.3418, 0.2857



85.5981, 0.3200, 0.3163



40.8473, 0.2828, 0.2479



17.8581, 0.3213, 0.3142



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.



44.9982, 0.3418, 0.2857



52.4456, 0.3505, 0.2757



43.6694, 0.3732, 0.3226



13.8301, 0.3204, 0.3158



10.1405, 0.4670, 0.2346



0.7208, 0.4383, 0.2188

Inverse Universe

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



44.9982, 0.3418, 0.2857



52.4456, 0.3505, 0.2757



66.9359, 0.2731, 0.3356



13.8301, 0.3204, 0.3158



10.1405, 0.4670, 0.2346



0.7208, 0.4383, 0.2188

Previews

White Background



This preview shows how the Yxy color 44.9962, 0.3418, 0.2857 looks on a white background.

Color Contrast Check

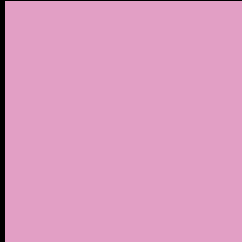
Large Text (above 18pt) WCAG AA × Fail

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 44.9962, 0.3418, 0.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

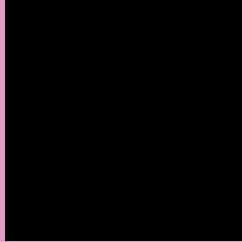
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9962, 0.3418, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 44.9962, 0.3418, 0.2857.



This preview shows how white text looks on a background with the Yxy color 44.9962, 0.3418, 0.2857.

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

44.9962, 0.3418, 0.2857

Protanopia

45.3285, 0.2850, 0.2893

Deuteranopia

45.1143, 0.3104, 0.3037



Tritanopia

44.9775, 0.3591, 0.3150

Trichromacy



Original Color

44.9962, 0.3418, 0.2857



Protanomaly

44.7401, 0.3034, 0.2869



Deuteranomaly

45.0126, 0.3214, 0.2972



Tritanomaly

45.1069, 0.3526, 0.3046

Monochromacy



Original Color

44.9962, 0.3418, 0.2857



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

46.0451, 0.3233, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9962, 0.3418, 0.2857 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(226, 159, 197)` looks like.

```
.text, #text, p{  
    color:rgb(226, 159, 197)  
}
```

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(226, 159, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 159, 197) }
```

Border

The CSS property to change the border of an element to Yxy 44.9962, 0.3418, 0.2857 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(226, 159, 197) }
```

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

```
.border{ border-color:rgb(226, 159, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 159, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 159, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 159, 197); box-shadow:4px 4px 4px 4px rgb(226, 159, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9962, 0.3418, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 159, 197) }
```

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

```
.background{ background-color: rgb(226,  
159, 197) }
```

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