

Converting Colors

$Y_{xy}(52.7577, 0.3329, 0.2891)$

Have a look what the booklet for
Yxy(52.7577, 0.3329, 0.2891)
contains.

Yxy(52.7370, 0.3327, 0.2885)	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(52.7370, 0.3327, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	E9AFD4
RGB	233, 175, 212
RGB Percent	91%, 69%, 83%
CMY	0.0862, 0.3137, 0.1687
CMYK	0.00, 0.25, 0.09, 0.09
HSL	322°, 57%, 80%
HSV	322°, 25%, 91%
XYZ	60.8166, 52.7370, 69.2436
YIQ	196.5600, 22.6910, 23.8030

Conversions

Conversions Part 2

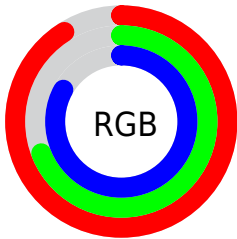
Format	Color
R _Y B	233, 175, 212
Decimal	15314900
CIE Lab	77.72, 26.89, -10.40
CIE LCh	78, 28.835, 338.848
Yxy	52.7370, 0.3327, 0.2885
Android (android.graphics.Color)	4293504980 (0xFFE9AFD4)
YUV	196.5600, 7.6119, 31.9579
Hunter-Lab	72.6202, 22.4014, -5.6990

Details

The Yxy color $52.7370, 0.3327, 0.2885$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $71.3838, 0.2970, 0.3733$, and the grayscale version is $55.5000, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $25.7005, 0.3385, 0.2791$ is the 20% darker color. If you saturate the color by 10%, you get $44.0227, 0.3433, 0.2717$, and if you desaturate by 10%, it is $63.0432, 0.3236, 0.3052$.

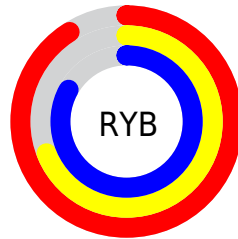
Distribution



Red (91%)

Green (69%)

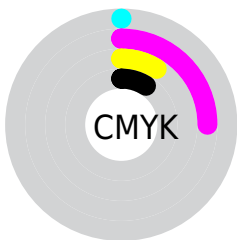
Blue (83%)



Red (91%)

Yellow (69%)

Blue (83%)

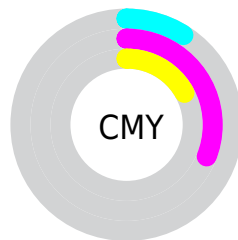


Cyan (0%)

Magenta (25%)

Yellow (9%)

Black (9%)



Cyan (9%)


Magenta (31%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7370, 0.3327, 0.2885 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 52.7370, 0.3327, 0.2885 by changing the saturation by 10% instead.

 52.7370, 0.3327,
0.2885

 52.7370, 0.3327,
0.2885

397.2753, 0.3232,
0.3077

 37.5929, 0.3349,
0.2840


 94.2173, 0.3294,
0.2952

 25.6668, 0.3377,
0.2784


121.3222, 0.3281,
0.2978

 16.5746, 0.3412,
0.2713

153.1828, 0.3270,
0.3000

 9.9316, 0.3460,
0.2618

190.1835, 0.3260,
0.3020

 5.3537, 0.3525,
0.2486

232.7087, 0.3252,
0.3037

 2.4562, 0.3623,
0.2290

281.1428, 0.3245,

 0.8546, 0.3782,

0.3052

0.1974

335.8702, 0.3238,
0.3065

0.0000, 0.4793,
0.0000

0.0000, 0.0000,
0.0000

52.7370, 0.3327,
0.2885

52.7370, 0.3327,
0.2885

44.0227, 0.3433,
0.2717

63.0432, 0.3236,
0.3052

36.8125, 0.3555,
0.2554

75.0092, 0.3160,
0.3214

31.0211, 0.3693,
0.2407

88.7075, 0.3096,
0.3367

26.5513, 0.3844,
0.2285

95.4847, 0.3045,
0.3382

■ 23.2938, 0.4004,
0.2201

■ 96.0148, 0.2998,
0.3297

■ 21.1218, 0.4168,
0.2165

■ 96.0648, 0.2993,
0.3290

■ 19.8796, 0.4329,
0.2180

■ 19.4792, 0.4411,
0.2203

Harmonies

Analogous

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



52.7370, 0.2935, 0.2708



52.7370, 0.3327, 0.2885



52.7370, 0.3681, 0.3157

Triad

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



52.7370, 0.3327, 0.2885



52.7370, 0.3637, 0.3956



52.7370, 0.2428, 0.3033

Complementary

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



52.7370, 0.3327, 0.2885



71.3838, 0.2970, 0.3733

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.



52.7370, 0.2592, 0.3397



52.7370, 0.3327, 0.2885



52.7370, 0.3283, 0.3963

Square

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



52.7370, 0.3327, 0.2885



52.7370, 0.3862, 0.3764



52.7370, 0.2901, 0.3753



52.7370, 0.2437, 0.2772

Rectangle

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



52.7370, 0.3327, 0.2885



52.7370, 0.3837, 0.3366



52.7370, 0.2901, 0.3753



52.7370, 0.2464, 0.3147

Sweetspot

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



52.7394, 0.3327, 0.2885



88.7254, 0.3175, 0.3180



48.1889, 0.2853, 0.2613



18.7933, 0.3180, 0.3170



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.



52.7394, 0.3327, 0.2885



58.8605, 0.3381, 0.2796



51.4356, 0.3573, 0.3193



15.2157, 0.3193, 0.3141



11.0768, 0.4387, 0.2190



0.8881, 0.4181, 0.2077

Inverse Universe

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



52.7394, 0.3327, 0.2885



58.8605, 0.3381, 0.2796



72.7950, 0.2809, 0.3390



15.2157, 0.3193, 0.3141



11.0768, 0.4387, 0.2190



0.8881, 0.4181, 0.2077

Previews

White Background



This preview shows how the Yxy color 52.7370, 0.3327, 0.2885 looks on a white background.

Color Contrast Check

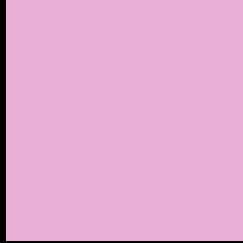
Large Text (above 18pt) WCAG AA × Fail

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 52.7370, 0.3327, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

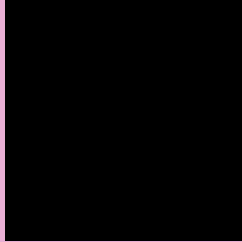
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.7370, 0.3327, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 52.7370, 0.3327, 0.2885.



This preview shows how white text looks on a background with the Yxy color 52.7370, 0.3327, 0.2885.

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

52.7370, 0.3327, 0.2885

Protanopia

53.1003, 0.2874, 0.2917

Deuteranopia

52.8903, 0.3083, 0.3018



Tritanopia

52.4696, 0.3467, 0.3133

Trichromacy



Original Color

52.7370, 0.3327, 0.2885



Protanomaly

52.5972, 0.3032, 0.2904



Deuteranomaly

52.8663, 0.3167, 0.2968



Tritanomaly

52.5567, 0.3417, 0.3045

Monochromacy



Original Color

52.7370, 0.3327, 0.2885



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

54.3611, 0.3200, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7370, 0.3327, 0.2885 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(233, 175, 212)` looks like.

```
.text, #text, p{  
    color:rgb(233, 175, 212)  
}
```

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(233, 175, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 175, 212) }
```

Border

The CSS property to change the border of an element to Yxy 52.7370, 0.3327, 0.2885 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(233, 175, 212) }
```

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

```
.border{ border-color:rgb(233, 175, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 175, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 175, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 175, 212);  
box-shadow:4px 4px 4px 4px rgb(233, 175,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7370, 0.3327, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 175, 212) }
```

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

```
.background{ background-color: rgb(233,  
175, 212) }
```

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