

Converting Colors

$Y_{xy}(52.7875, 0.3087, 0.2569)$

Have a look what the booklet for
Yxy(52.7875, 0.3087, 0.2569)
contains.

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Color

Yxy(52.7852, 0.3087, 0.2569)

Conversions

Conversions Part 1

Format	Color
Hex	E7ACF0
RGB	231, 172, 240
RGB Percent	91%, 67%, 94%
CMY	0.0942, 0.3254, 0.0590
CMYK	0.04, 0.28, 0.00, 0.06
HSL	292°, 69%, 81%
HSV	292°, 28%, 94%
XYZ	63.4285, 52.7852, 89.2561
YIQ	197.3930, 13.3360, 33.6560

Conversions

Conversions Part 2

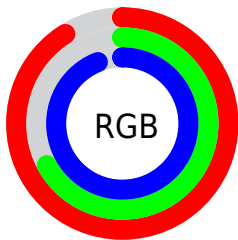
Format	Color
R _Y B	231, 172, 240
Decimal	15183088
CIE Lab	77.75, 32.85, -25.54
CIE LCh	78, 41.613, 322.132
Yxy	52.7852, 0.3087, 0.2569
Android (android.graphics.Color)	4293373168 (0xFFE7ACF0)
YUV	197.3930, 21.0053, 29.4733
Hunter-Lab	72.6534, 28.6922, -21.9815

Details

The Yxy color $52.7852, 0.3087, 0.2569$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $75.1020, 0.3146, 0.4098$, and the grayscale version is $55.9499, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9668, 0.3139, 0.3029$, and $25.7683, 0.3069, 0.2402$ is the 20% darker color. If you saturate the color by 10%, you get $43.9396, 0.3066, 0.2312$, and if you desaturate by 10%, it is $63.2941, 0.3104, 0.2829$.

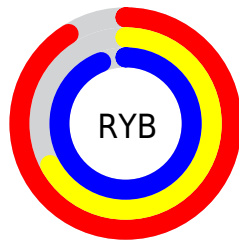
Distribution



Red (91%)

Green (67%)

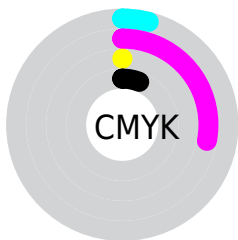
Blue (94%)



Red (91%)

Yellow (67%)

Blue (94%)

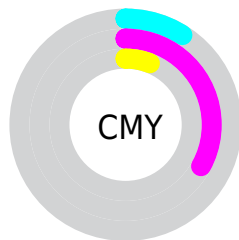


Cyan (4%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (9%)


Magenta (33%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7852, 0.3087, 0.2569 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 52.7852, 0.3087, 0.2569 by changing the saturation by 10% instead.

 52.7852, 0.3087,
0.2569

 52.7852, 0.3087,
0.2569

397.4605, 0.3114,
0.2900

 37.6313, 0.3079,
0.2494


 94.2882, 0.3098,
0.2683

 25.6967, 0.3067,
0.2402


121.4061, 0.3102,
0.2728

 16.5969, 0.3051,
0.2287

153.2809, 0.3105,
0.2767

 9.9475, 0.3026,
0.2139

190.2968, 0.3108,
0.2800

 5.3641, 0.2987,
0.1941

232.8384, 0.3110,
0.2830

 2.4625, 0.2920,
0.1668

281.2899, 0.3112,

 0.8578, 0.2790,

0.2856

0.1273

336.0358, 0.3113,
0.2879

0.0000, 0.2579,
0.0000

0.0000, 0.0000,
0.0000

52.7852, 0.3087,
0.2569

52.7852, 0.3087,
0.2569

43.9396, 0.3066,
0.2312

63.2941, 0.3104,
0.2829

36.6615, 0.3041,
0.2069


75.5416, 0.3118,
0.3085

30.8561, 0.3012,
0.1850


89.6067, 0.3129,
0.3330

26.4154, 0.2981,
0.1664


96.9832, 0.3143,
0.3438

 23.2164, 0.2947,
0.1520

 97.5542, 0.3163,
0.3437


 21.1140, 0.2913,
0.1421

 98.1349, 0.3183,
0.3436

 19.9030, 0.2878,
0.1364

 98.7255, 0.3203,
0.3435

 19.7377, 0.2872,
0.1356

 99.0692, 0.3215,
0.3435

Harmonies

Analogous

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



52.7852, 0.2577, 0.2419



52.7852, 0.3087, 0.2569



52.7852, 0.3655, 0.2873

Triad

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



52.7852, 0.3087, 0.2569



52.7852, 0.4060, 0.4096



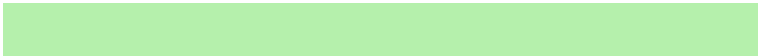
52.7852, 0.2240, 0.3184

Complementary

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



52.7852, 0.3087, 0.2569



75.1020, 0.3146, 0.4098

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.



52.7852, 0.2582, 0.3751



52.7852, 0.3087, 0.2569



52.7852, 0.3631, 0.4301

Square

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



52.7852, 0.3087, 0.2569



52.7852, 0.4242, 0.3713



52.7852, 0.3088, 0.4190



52.7852, 0.2124, 0.2719

Rectangle

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



52.7852, 0.3087, 0.2569



52.7852, 0.3974, 0.3136



52.7852, 0.3088, 0.4190



52.7852, 0.2330, 0.3371

Sweetspot

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



52.7875, 0.3087, 0.2569



87.1603, 0.3119, 0.3092



48.1403, 0.2642, 0.2581



18.1715, 0.3117, 0.3054



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.



52.7875, 0.3087, 0.2569



54.4883, 0.3075, 0.2419



52.9393, 0.3364, 0.2829



15.9194, 0.3117, 0.3056



10.8503, 0.2878, 0.1359



0.9318, 0.2924, 0.1384

Inverse Universe

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



51.3662, 0.3668, 0.3192



52.6614, 0.3825, 0.3172



75.1005, 0.2948, 0.3802



15.7928, 0.3272, 0.3259



10.2080, 0.6229, 0.3205



0.8599, 0.5932, 0.3041

Previews

White Background



This preview shows how the Yxy color 52.7852, 0.3087, 0.2569 looks on a white background.

Color Contrast Check

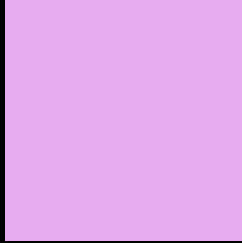
Large Text (above 18pt) WCAG AA × Fail

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 52.7852, 0.3087, 0.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

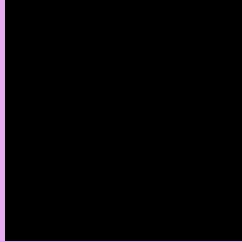
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.7852, 0.3087, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 52.7852, 0.3087, 0.2569.

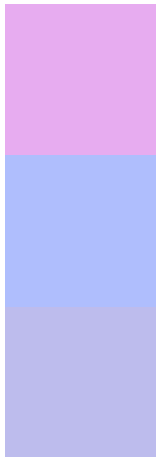


This preview shows how white text looks on a background with the Yxy color 52.7852, 0.3087, 0.2569.

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

52.7852, 0.3087, 0.2569

Protanopia

53.0327, 0.2598, 0.2560

Deuteranopia

52.8997, 0.2788, 0.2718



Tritanopia

52.9954, 0.3393, 0.3131

Trichromacy



Original Color

52.7852, 0.3087, 0.2569



Protanomaly

52.2464, 0.2756, 0.2554



Deuteranomaly

52.4663, 0.2889, 0.2656



Tritanomaly

52.8748, 0.3281, 0.2922

Monochromacy



Original Color

52.7852, 0.3087, 0.2569



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

54.3258, 0.3108, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7852, 0.3087, 0.2569 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(231, 172, 240)` looks like.

```
.text, #text, p{  
    color:rgb(231, 172, 240)  
}
```

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(231, 172, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 172, 240) }
```

Border

The CSS property to change the border of an element to Yxy 52.7852, 0.3087, 0.2569 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(231, 172, 240) }
```

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

```
.border{ border-color:rgb(231, 172, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 172, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 172, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 172, 240);  
box-shadow:4px 4px 4px 4px rgb(231, 172,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7852, 0.3087, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 172, 240) }
```

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

```
.background{ background-color: rgb(231,  
172, 240) }
```

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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