

Converting Colors

$Y_{xy}(51.5201, 0.3070, 0.2589)$

Have a look what the booklet for
Yxy(51.5201, 0.3070, 0.2589)
contains.

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Color

Yxy(51.7299, 0.3077, 0.2598)

Conversions

Conversions Part 1

Format	Color
Hex	E2ACEC
RGB	226, 172, 236
RGB Percent	89%, 67%, 93%
CMY	0.1136, 0.3255, 0.0745
CMYK	0.04, 0.27, 0.00, 0.07
HSL	291°, 63%, 80%
HSV	291°, 27%, 93%
XYZ	61.2675, 51.7299, 86.1169
YIQ	195.4420, 11.6400, 31.3520

Conversions

Conversions Part 2

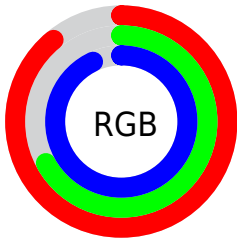
Format	Color
R _Y B	226, 172, 236
Decimal	14855404
CIE Lab	77.12, 30.54, -24.41
CIE LCh	77, 39.097, 321.370
Yxy	51.7299, 0.3077, 0.2598
Android (android.graphics.Color)	4293045484 (0xFFE2ACEC)
YUV	195.4420, 19.9951, 26.7994
Hunter-Lab	71.9235, 26.1877, -20.6439

Details

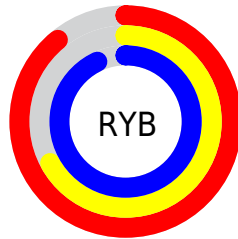
The Yxy color $51.7299, 0.3077, 0.2598$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $72.9116, 0.3156, 0.4057$, and the grayscale version is $54.7266, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9668, 0.3139, 0.3029$, and $25.0350, 0.3056, 0.2435$ is the 20% darker color. If you saturate the color by 10%, you get $42.9458, 0.3051, 0.2338$, and if you desaturate by 10%, it is $62.1263, 0.3099, 0.2860$.

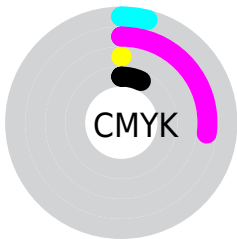
Distribution



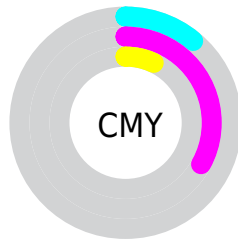
- Red (89%)
- Green (67%)
- Blue (93%)



- Red (89%)
- Yellow (67%)
- Blue (93%)



- Cyan (4%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)




- Cyan (11%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7299, 0.3077, 0.2598 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 51.7299, 0.3077, 0.2598 by changing the saturation by 10% instead.


 51.7299, 0.3077,
0.2598

 51.7299, 0.3077,
0.2598


393.3930, 0.3108,
0.2918

 36.7898, 0.3068,
0.2525


 92.7328, 0.3090,
0.2709

 25.0448, 0.3055,
0.2435


119.5644, 0.3094,
0.2752

 16.1104, 0.3037,
0.2322


151.1286, 0.3098,
0.2789

 9.6023, 0.3011,
0.2176

187.8098, 0.3101,
0.2822

 5.1361, 0.2970,
0.1979

229.9925, 0.3103,
0.2850

 2.3273, 0.2898,
0.1704

278.0610, 0.3105,

 0.7881, 0.2760,

0.2876

0.1296

332.3997, 0.3107,
0.2898

0.0000, 0.2381,
0.0000

0.0000, 0.0000,
0.0000

51.7299, 0.3077,
0.2598

51.7299, 0.3077,
0.2598

42.9458, 0.3051,
0.2338

62.1263, 0.3099,
0.2860

35.6828, 0.3020,
0.2089

74.2066, 0.3117,
0.3115

29.8508, 0.2985,
0.1862

88.0460, 0.3131,
0.3359

25.3476, 0.2947,
0.1667

96.2306, 0.3148,
0.3478

■ 22.0571, 0.2906,
0.1513

■ 96.8825, 0.3171,
0.3477

■ 19.8432, 0.2865,
0.1403

■ 97.5475, 0.3194,
0.3476

■ 18.5296, 0.2824,
0.1338

■ 98.2257, 0.3217,
0.3474

■ 18.2372, 0.2813,
0.1323

■ 98.8365, 0.3238,
0.3473

Harmonies

Analogous

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



51.7299, 0.2596, 0.2460



51.7299, 0.3077, 0.2598



51.7299, 0.3614, 0.2886

Triad

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



51.7299, 0.3077, 0.2598



51.7299, 0.4020, 0.4050



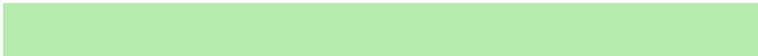
51.7299, 0.2290, 0.3205

Complementary

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



51.7299, 0.3077, 0.2598



72.9116, 0.3156, 0.4057

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.



51.7299, 0.2622, 0.3738



51.7299, 0.3077, 0.2598



51.7299, 0.3619, 0.4244

Square

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



51.7299, 0.3077, 0.2598



51.7299, 0.4183, 0.3686



51.7299, 0.3106, 0.4143



51.7299, 0.2173, 0.2760

Rectangle

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



51.7299, 0.3077, 0.2598



51.7299, 0.3918, 0.3136



51.7299, 0.3106, 0.4143



51.7299, 0.2379, 0.3382

Sweetspot

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



51.7321, 0.3077, 0.2598



87.0708, 0.3115, 0.3092



48.5508, 0.2668, 0.2643



18.1488, 0.3113, 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.



51.7321, 0.3077, 0.2598



55.1497, 0.3062, 0.2441



52.2229, 0.3334, 0.2828



15.1882, 0.3113, 0.3056



10.0986, 0.2819, 0.1327



0.8250, 0.2876, 0.1358

Inverse Universe

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



50.7089, 0.3624, 0.3180



53.7875, 0.3778, 0.3154



72.6287, 0.2967, 0.3803



15.0923, 0.3268, 0.3254



9.9145, 0.6179, 0.3178



0.7901, 0.5837, 0.2989

Previews

White Background



This preview shows how the Yxy color 51.7299, 0.3077, 0.2598 looks on a white background.

Color Contrast Check

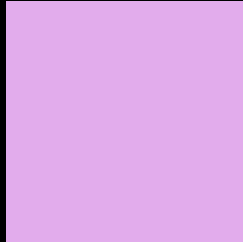
Large Text (above 18pt) WCAG AA × Fail

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 51.7299, 0.3077, 0.2598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

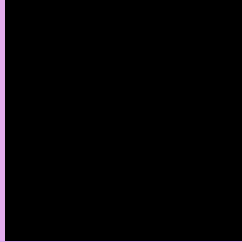
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7299, 0.3077, 0.2598

Background



This preview shows how black text looks on a background with the Yxy color 51.7299, 0.3077, 0.2598.



This preview shows how white text looks on a background with the Yxy color 51.7299, 0.3077, 0.2598.

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

51.7299, 0.3077, 0.2598

Protanopia

52.2865, 0.2625, 0.2598

Deuteranopia

52.1152, 0.2806, 0.2748



Tritanopia

51.7532, 0.3359, 0.3128

Trichromacy



Original Color

51.7299, 0.3077, 0.2598



Protanomaly

51.8680, 0.2775, 0.2593



Deuteranomaly

51.9530, 0.2901, 0.2695



Tritanomaly

51.5773, 0.3255, 0.2927

Monochromacy



Original Color

51.7299, 0.3077, 0.2598



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

53.3156, 0.3107, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7299, 0.3077, 0.2598 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, 172, 236)` looks like.

```
.text, #text, p{  
    color:rgb(226, 172, 236)  
}
```

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, 172, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 172, 236) }
```

Border

The CSS property to change the border of an element to Yxy 51.7299, 0.3077, 0.2598 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, 172, 236) }
```

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

```
.border{ border-color:rgb(226, 172, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 172, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 172, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 172, 236);  
box-shadow:4px 4px 4px 4px rgb(226, 172,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7299, 0.3077, 0.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 172, 236) }
```

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

```
.background{ background-color: rgb(226,  
172, 236) }
```

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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