

Converting Colors

$Y_{xy}(52.0010, 0.3177, 0.2617)$

Have a look what the booklet for
Yxy(52.0010, 0.3177, 0.2617)
contains.

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Color

Yxy(51.9213, 0.3176, 0.2611)

Conversions

Conversions Part 1

Format	Color
Hex	EBA9E9
RGB	235, 169, 233
RGB Percent	92%, 66%, 91%
CMY	0.0784, 0.3372, 0.0863
CMYK	0.00, 0.28, 0.01, 0.08
HSL	302°, 62%, 79%
HSV	302°, 28%, 92%
XYZ	63.1567, 51.9213, 83.7780
YIQ	196.0300, 18.7920, 33.8960

Conversions

Conversions Part 2

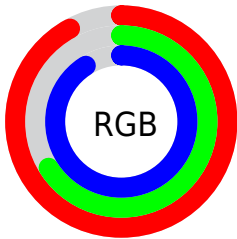
Format	Color
R _{YB}	235, 169, 233
Decimal	15444457
CIE _{Lab}	77.23, 34.44, -22.52
CIE _{LCh}	77, 41.151, 326.821
Y _{xy}	51.9213, 0.3176, 0.2611
Android (android.graphics.Color)	4293634537 (0xFFEBA9E9)
YUV	196.0300, 18.2262, 34.1767
Hunter-Lab	72.0564, 30.3545, -18.4953

Details

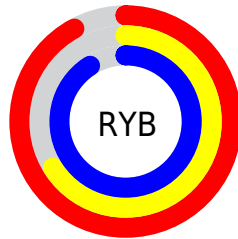
The Yxy color **51.9213, 0.3176, 0.2611** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **70.7956, 0.3077, 0.4078**, and the grayscale version is **55.1025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **25.1301, 0.3178, 0.2454** is the 20% darker color. If you saturate the color by 10%, you get **43.9103, 0.3195, 0.2375**, and if you desaturate by 10%, it is **61.5084, 0.3158, 0.2855**.

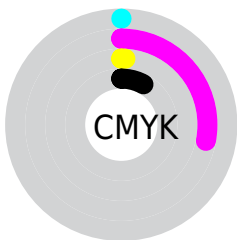
Distribution



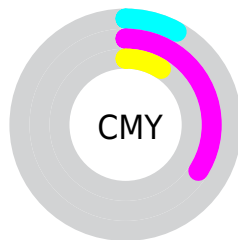
- Red (92%)
- Green (66%)
- Blue (91%)



- Red (92%)
- Yellow (66%)
- Blue (91%)



- Cyan (0%)
- Magenta (28%)
- Yellow (1%)
- Black (8%)





- Cyan (8%)
- Magenta (34%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9213, 0.3176, 0.2611 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 51.9213, 0.3176, 0.2611 by changing the saturation by 10% instead.


 51.9213, 0.3176,
0.2611

 51.9213, 0.3176,
0.2611


394.1327, 0.3160,
0.2925

 36.9423, 0.3178,
0.2540


 93.0152, 0.3172,
0.2720

 25.1629, 0.3180,
0.2452


119.8989, 0.3170,
0.2762

 16.1984, 0.3180,
0.2341


151.5196, 0.3168,
0.2798

 9.6647, 0.3179,
0.2198

188.2618, 0.3166,
0.2830

 5.1772, 0.3171,
0.2006

230.5098, 0.3164,
0.2858

 2.3516, 0.3151,
0.1737

278.6480, 0.3163,

 0.8008, 0.3095,

0.2883

0.1337

333.0609, 0.3161,
0.2905

0.0000, 0.3024,
0.0000

0.0000, 0.0000,
0.0000

51.9213, 0.3176,
0.2611

51.9213, 0.3176,
0.2611

43.9103, 0.3195,
0.2375

61.5084, 0.3158,
0.2855

37.3843, 0.3214,
0.2156

72.7427, 0.3140,
0.3098

32.2536, 0.3232,
0.1964

85.6992, 0.3124,
0.3335

28.4159, 0.3248,
0.1807

95.2307, 0.3113,
0.3482

■ 25.7550, 0.3263,
0.1692

■ 95.2724, 0.3109,
0.3474

■ 24.1337, 0.3276,
0.1621

■ 95.3142, 0.3105,
0.3467

■ 23.3610, 0.3286,
0.1589

■ 95.3563, 0.3101,
0.3460

■ 23.2556, 0.3288,
0.1585

■ 95.3984, 0.3097,
0.3453

■ 95.4408, 0.3093,
0.3445

Harmonies

Analogous

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



51.9213, 0.2650, 0.2435



51.9213, 0.3176, 0.2611



51.9213, 0.3734, 0.2934

Triad

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



51.9213, 0.3176, 0.2611



51.9213, 0.4002, 0.4139



51.9213, 0.2211, 0.3101

Complementary

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



51.9213, 0.3176, 0.2611



70.7956, 0.3077, 0.4078

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.



51.9213, 0.2518, 0.3662



51.9213, 0.3176, 0.2611



51.9213, 0.3547, 0.4301

Square

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



51.9213, 0.3176, 0.2611



51.9213, 0.4228, 0.3777



51.9213, 0.3003, 0.4134



51.9213, 0.2133, 0.2667

Rectangle

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



51.9213, 0.3176, 0.2611



51.9213, 0.4030, 0.3202



51.9213, 0.3003, 0.4134



51.9213, 0.2289, 0.3282

Sweetspot

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



51.9236, 0.3176, 0.2611



87.6279, 0.3140, 0.3099



42.9341, 0.2644, 0.2479



18.2903, 0.3143, 0.3063



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.



51.9236, 0.3176, 0.2611



56.4272, 0.3187, 0.2466



50.2533, 0.3449, 0.2938



15.3054, 0.3143, 0.3065



12.9459, 0.3287, 0.1584



1.0191, 0.3275, 0.1578

Inverse Universe

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



51.9236, 0.3176, 0.2611



56.4272, 0.3187, 0.2466



72.1714, 0.2893, 0.3672



15.3054, 0.3143, 0.3065



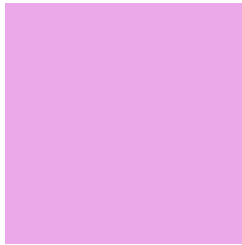
12.9459, 0.3287, 0.1584



1.0191, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 51.9213, 0.3176, 0.2611 looks on a white background.

Color Contrast Check

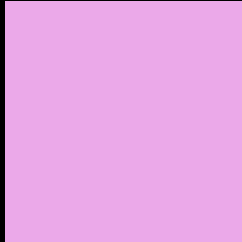
Large Text (above 18pt) WCAG AA × Fail

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 51.9213, 0.3176, 0.2611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

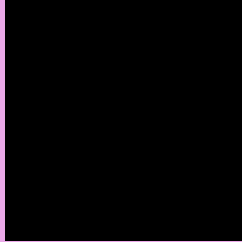
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9213, 0.3176, 0.2611

Background



This preview shows how black text looks on a background with the Yxy color 51.9213, 0.3176, 0.2611.



This preview shows how white text looks on a background with the Yxy color 51.9213, 0.3176, 0.2611.

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

51.9213, 0.3176, 0.2611

Protanopia

52.3407, 0.2637, 0.2610

Deuteranopia

52.3302, 0.2848, 0.2783



Tritanopia

51.8639, 0.3469, 0.3132

Trichromacy



Original Color

51.9213, 0.3176, 0.2611



Protanomaly

51.7370, 0.2809, 0.2605



Deuteranomaly

51.6774, 0.2961, 0.2709



Tritanomaly

51.7173, 0.3362, 0.2935

Monochromacy



Original Color

51.9213, 0.3176, 0.2611



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.4229, 0.3148, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9213, 0.3176, 0.2611 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(235, 169, 233)` looks like.

```
.text, #text, p{  
    color:rgb(235, 169, 233)  
}
```

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(235, 169, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 169, 233) }
```

Border

The CSS property to change the border of an element to Yxy 51.9213, 0.3176, 0.2611 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(235, 169, 233) }
```

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

```
.border{ border-color:rgb(235, 169, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 169, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 169, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 169, 233); box-shadow:4px 4px 4px 4px rgb(235, 169, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9213, 0.3176, 0.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 169, 233) }
```

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

```
.background{ background-color: rgb(235,  
169, 233) }
```

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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