

Converting Colors

$Y_{xy}(54.1752, 0.2737, 0.2114)$

Have a look what the booklet for
Yxy(54.1752, 0.2737, 0.2114)
contains.

Yxy(51.8833, 0.2960, 0.2386)	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(51.8833, 0.2960, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	E5A8FF
RGB	229, 168, 255
RGB Percent	90%, 66%, 100%
CMY	0.1019, 0.3412, 0.0001
CMYK	0.10, 0.34, 0.00, 0.00
HSL	282°, 100%, 83%
HSV	282°, 34%, 100%
XYZ	64.3649, 51.8833, 101.2007
YIQ	196.1570, 8.4290, 39.9890

Conversions

Conversions Part 2

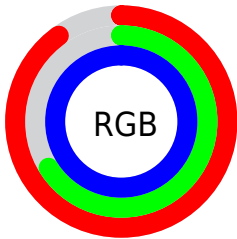
Format	Color
R _Y B	229, 168, 255
Decimal	15051007
CIE _{Lab}	77.21, 37.30, -34.47
CIE _{LCh}	77, 50.794, 317.260
Y _{xy}	51.8833, 0.2960, 0.2386
Android (android.graphics.Color)	4293241087 (0xFFE5A8FF)
Y _{UV}	196.1570, 29.0096, 28.8033
Hunter-Lab	72.0301, 33.4520, -32.8801

Details

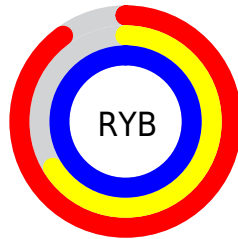
The Yxy color **51.8833, 0.2960, 0.2386** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.7891, 0.3236, 0.4268**, and the grayscale version is **55.1217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **25.1093, 0.2900, 0.2184** is the 20% darker color. If you saturate the color by 10%, you get **42.1517, 0.2893, 0.2112**, and if you desaturate by 10%, it is **63.5197, 0.3019, 0.2662**.

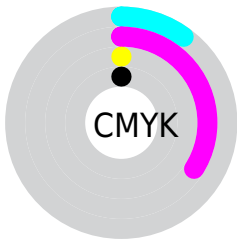
Distribution



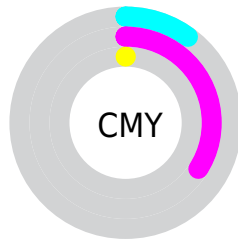
- Red (90%)
- Green (66%)
- Blue (100%)



- Red (90%)
- Yellow (66%)
- Blue (100%)



- Cyan (10%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8833, 0.2960, 0.2386 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 51.8833, 0.2960, 0.2386 by changing the saturation by 10% instead.

 51.8833, 0.2960,
0.2386


 51.8833, 0.2960,
0.2386


393.9859, 0.3052,
0.2795

 36.9121, 0.2936,
0.2295


 92.9591, 0.2994,
0.2526

 25.1394, 0.2904,
0.2185


 119.8325, 0.3007,
0.2581

 16.1810, 0.2862,
0.2049


151.4420, 0.3018,
0.2629

 9.6523, 0.2803,
0.1877

188.1721, 0.3027,
0.2670

 5.1690, 0.2716,
0.1653

230.4071, 0.3034,
0.2707

 2.3468, 0.2580,
0.1355

278.5315, 0.3041,

 0.7983, 0.2347,

0.2740

0.0951

332.9296, 0.3047,
0.2769

0.0000, 0.1946,
0.0000

0.0000, 0.0000,
0.0000

51.8833, 0.2960,
0.2386

51.8833, 0.2960,
0.2386

42.1517, 0.2893,
0.2112

63.5197, 0.3019,
0.2662

34.2092, 0.2819,
0.1852

77.1544, 0.3069,
0.2932

27.9377, 0.2740,
0.1617

92.8828, 0.3112,
0.3189

23.2017, 0.2658,
0.1420

99.9978, 0.3127,
0.3290

■ 19.8441, 0.2576,
0.1269

■ 17.6727, 0.2497,
0.1167

■ 16.7879, 0.2452,
0.1125

Harmonies

Analogous

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



51.8833, 0.2378, 0.2240



51.8833, 0.2960, 0.2386



51.8833, 0.3661, 0.2717

Triad

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



51.8833, 0.2960, 0.2386



51.8833, 0.4314, 0.4180



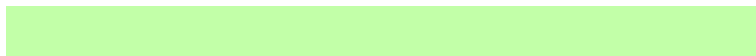
51.8833, 0.2104, 0.3256

Complementary

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



51.8833, 0.2960, 0.2386



85.7891, 0.3236, 0.4268

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.



51.8833, 0.2544, 0.3973



51.8833, 0.2960, 0.2386



51.8833, 0.3821, 0.4509

Square

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



51.8833, 0.2960, 0.2386



51.8833, 0.4490, 0.3690



51.8833, 0.3171, 0.4470



51.8833, 0.1930, 0.2658

Rectangle

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



51.8833, 0.2960, 0.2386



51.8833, 0.4083, 0.3014



51.8833, 0.3171, 0.4470



51.8833, 0.2223, 0.3496

Sweetspot

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



51.8855, 0.2960, 0.2386



83.3810, 0.3088, 0.3040



54.1681, 0.2549, 0.2581



17.3840, 0.3082, 0.3003



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.



51.8855, 0.2960, 0.2386



44.9924, 0.2915, 0.2196



55.4085, 0.3306, 0.2595



18.0123, 0.3090, 0.3052



8.8559, 0.2465, 0.1131



0.9190, 0.2552, 0.1179

Inverse Universe

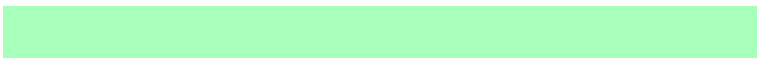
The Inverse Universe completely reimagines the original color for something new.



53.1534, 0.3692, 0.3021



46.5794, 0.3860, 0.2966



83.3434, 0.2989, 0.4105



18.0763, 0.3247, 0.3219



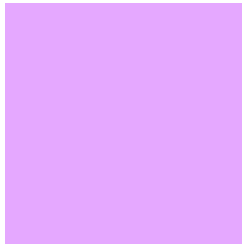
11.4049, 0.5774, 0.2955



1.1287, 0.5454, 0.2778

Previews

White Background



This preview shows how the Yxy color 51.8833, 0.2960, 0.2386 looks on a white background.

Color Contrast Check

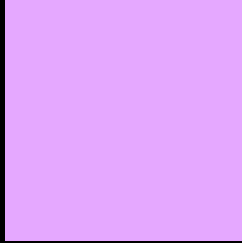
Large Text (above 18pt) WCAG AA × Fail

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 51.8833, 0.2960, 0.2386 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 51.8833, 0.2960, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 51.8833, 0.2960, 0.2386.



This preview shows how white text looks on a background with the Yxy color 51.8833, 0.2960, 0.2386.

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

51.8833, 0.2960, 0.2386

Protanopia

52.2731, 0.2560, 0.2523

Deuteranopia

52.2786, 0.2619, 0.2558



Tritanopia

51.7532, 0.3359, 0.3128

Trichromacy



Original Color

51.8833, 0.2960, 0.2386



Protanomaly

51.4742, 0.2690, 0.2459



Deuteranomaly

51.8118, 0.2737, 0.2494

Tritanomaly

51.6965, 0.3208, 0.2842

Monochromacy



Original Color

51.8833, 0.2960, 0.2386



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.5375, 0.3071, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8833, 0.2960, 0.2386 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(229, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 168, 255)  
}
```

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(229, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.8833, 0.2960, 0.2386 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(229, 168, 255) }
```

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

```
.border{ border-color:rgb(229, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8833, 0.2960, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 168, 255) }
```

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

```
.background{ background-color: rgb(229,  
168, 255) }
```

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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