

Converting Colors

$Y_{xy}(57.1998, 0.2902, 0.2547)$

Have a look what the booklet for
Yxy(57.1998, 0.2902, 0.2547)
contains.

Yxy(57.2901, 0.2902, 0.2549)	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(57.2901, 0.2902, 0.2549)

Conversions

Conversions Part 1

Format	Color
Hex	DDB9FF
RGB	221, 185, 255
RGB Percent	87%, 73%, 100%
CMY	0.1333, 0.2745, 0.0000
CMYK	0.13, 0.27, 0.00, 0.00
HSL	271°, 100%, 86%
HSV	271°, 27%, 100%
XYZ	65.2240, 57.2901, 102.2411
YIQ	203.7440, -1.0140, 29.4020

Conversions

Conversions Part 2

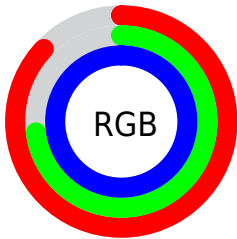
Format	Color
R _Y B	221, 185, 255
Decimal	14531071
CIE Lab	80.34, 25.75, -29.74
CIE LCh	80, 39.340, 310.889
Yxy	57.2901, 0.2902, 0.2549
Android (android.graphics.Color)	4292721151 (0xFFDDB9FF)
YUV	203.7440, 25.2692, 15.1335
Hunter-Lab	75.6902, 21.3595, -27.1048

Details

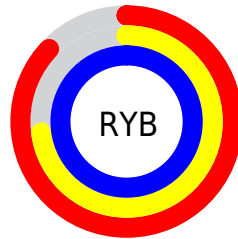
The Yxy color **57.2901, 0.2902, 0.2549** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.0787, 0.3303, 0.4036**, and the grayscale version is **60.0533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3906, 0.3133, 0.3156**, and **28.5791, 0.2837, 0.2388** is the 20% darker color. If you saturate the color by 10%, you get **45.6904, 0.2796, 0.2252**, and if you desaturate by 10%, it is **70.9489, 0.2995, 0.2835**.

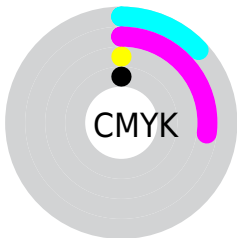
Distribution



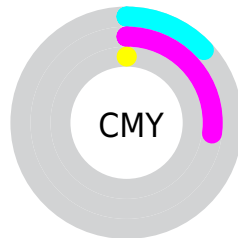
- Red (87%)
- Green (73%)
- Blue (100%)



- Red (87%)
- Yellow (73%)
- Blue (100%)



- Cyan (13%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2901, 0.2902, 0.2549 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 57.2901, 0.2902, 0.2549 by changing the saturation by 10% instead.


 57.2901, 0.2902,
0.2549

 57.2901, 0.2902,
0.2549


414.5355, 0.3016,
0.2886

 41.2382, 0.2874,
0.2474

 100.8884, 0.2943,
0.2665

 28.5053, 0.2839,
0.2382


129.2035, 0.2959,
0.2710

 18.7069, 0.2792,
0.2268


162.3752, 0.2972,
0.2749

 11.4587, 0.2729,
0.2122


200.7878, 0.2983,
0.2783

 6.3762, 0.2640,
0.1930

244.8257, 0.2993,
0.2814

 3.0752, 0.2504,
0.1669

294.8734, 0.3001,

 1.1711, 0.2282,

0.2841

0.1301

351.3152, 0.3009,
0.2865

0.0379, 0.1986,
0.0113

0.0000, 0.0000,
0.0000

57.2901, 0.2902,
0.2549

57.2901, 0.2902,
0.2549

45.6904, 0.2796,
0.2252

70.9489, 0.2995,
0.2835

36.0404, 0.2679,
0.1954

86.7605, 0.3075,
0.3104

28.2266, 0.2553,
0.1668

100.0000, 0.3127,
0.3290

22.1213, 0.2423,
0.1409

■ 17.5802, 0.2293,
0.1191

■ 14.4334, 0.2171,
0.1025

■ 12.4606, 0.2060,
0.0916

■ 12.0635, 0.2033,
0.0894

Harmonies

Analogous

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



57.2901, 0.2480, 0.2474



57.2901, 0.2902, 0.2549



57.2901, 0.3423, 0.2784

Triad

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



57.2901, 0.2902, 0.2549



57.2901, 0.4084, 0.3920



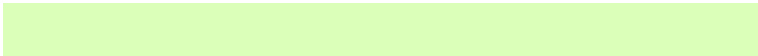
57.2901, 0.2403, 0.3389

Complementary

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



57.2901, 0.2902, 0.2549



90.0787, 0.3303, 0.4036

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.



57.2901, 0.2789, 0.3888



57.2901, 0.2902, 0.2549



57.2901, 0.3763, 0.4180

Square

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



57.2901, 0.2902, 0.2549



57.2901, 0.4138, 0.3538



57.2901, 0.3286, 0.4190



57.2901, 0.2212, 0.2908

Rectangle

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



57.2901, 0.2902, 0.2549



57.2901, 0.3752, 0.3009



57.2901, 0.3286, 0.4190



57.2901, 0.2513, 0.3564

Sweetspot

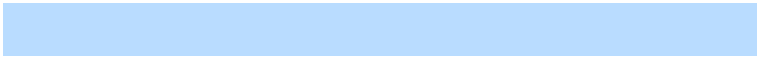
The Sweet Spot groups the original color and five complimentary colors.



57.2914, 0.2902, 0.2549



85.8380, 0.3071, 0.3089



68.7189, 0.2687, 0.2901



17.8374, 0.3060, 0.3050



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.



57.2914, 0.2902, 0.2549



50.6087, 0.2845, 0.2385



63.1760, 0.3159, 0.2604



17.8374, 0.3060, 0.3050



6.3927, 0.2050, 0.0903



0.6875, 0.2171, 0.0969

Inverse Universe

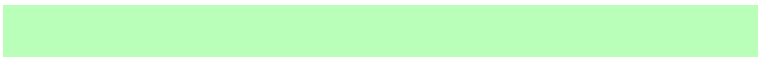
The Inverse Universe completely reimagines the original color for something new.



61.0691, 0.3440, 0.2944



55.0673, 0.3525, 0.2871



85.3363, 0.3090, 0.4086



18.1340, 0.3218, 0.3175



11.8961, 0.5026, 0.2543



1.1803, 0.4764, 0.2398

Previews

White Background



This preview shows how the Yxy color 57.2901, 0.2902, 0.2549 looks on a white background.

Color Contrast Check

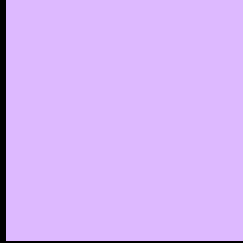
Large Text (above 18pt) WCAG AA × Fail

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 57.2901, 0.2902, 0.2549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

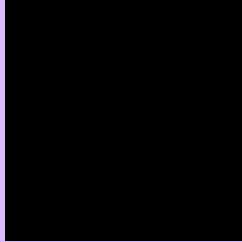
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.2901, 0.2902, 0.2549

Background



This preview shows how black text looks on a background with the Yxy color 57.2901, 0.2902, 0.2549.

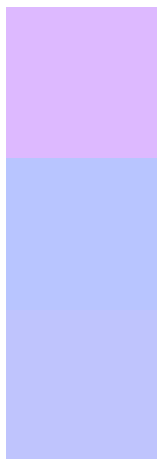


This preview shows how white text looks on a background with the Yxy color 57.2901, 0.2902, 0.2549.

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

57.2901, 0.2902, 0.2549

Protanopia

57.3429, 0.2654, 0.2633

Deuteranopia

57.6481, 0.2710, 0.2650



Tritanopia

57.4832, 0.3175, 0.3118

Trichromacy



Original Color

57.2901, 0.2902, 0.2549

Protanomaly

57.2302, 0.2736, 0.2603

Deuteranomaly

57.4116, 0.2775, 0.2608

Tritanomaly

57.5043, 0.3075, 0.2900

Monochromacy



Original Color

57.2901, 0.2902, 0.2549

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

58.9619, 0.3041, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2901, 0.2902, 0.2549 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(221, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 185, 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(221, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.2901, 0.2902, 0.2549 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(221, 185, 255) }
```

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

```
.border{ border-color:rgb(221, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2901, 0.2902, 0.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 185, 255) }
```

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

```
.background{ background-color: rgb(221,  
185, 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](#).

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