

Converting Colors

$Y_{xy}(55.5996, 0.2910, 0.2545)$

Have a look what the booklet for
Yxy(55.5996, 0.2910, 0.2545)
contains.

Yxy(55.5442, 0.2906, 0.2542)	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(55.5442, 0.2906, 0.2542)

Conversions

Conversions Part 1

Format	Color
Hex	DBB6FC
RGB	219, 182, 252
RGB Percent	86%, 71%, 99%
CMY	0.1414, 0.2862, 0.0118
CMYK	0.13, 0.28, 0.00, 0.01
HSL	272°, 92%, 85%
HSV	272°, 28%, 99%
XYZ	63.4978, 55.5442, 99.4639
YIQ	201.0430, -0.4180, 29.6140

Conversions

Conversions Part 2

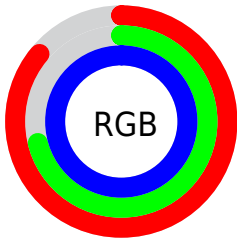
Format	Color
R _{YB}	219, 182, 252
Decimal	14399228
CIE Lab	79.35, 26.09, -29.66
CIE LCh	79, 39.497, 311.339
Yxy	55.5442, 0.2906, 0.2542
Android (android.graphics.Color)	4292589308 (0xFFDDBB6FC)
YUV	201.0430, 25.1218, 15.7483
Hunter-Lab	74.5280, 21.6580, -26.9579

Details

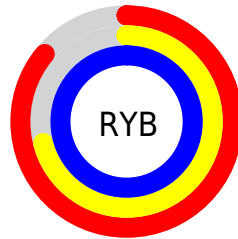
The Yxy color $55.5442, 0.2906, 0.2542$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $87.4546, 0.3299, 0.4046$, and the grayscale version is $58.2767, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.6291, 0.3135, 0.3127$, and $27.4272, 0.2842, 0.2376$ is the 20% darker color. If you saturate the color by 10%, you get $44.3549, 0.2803, 0.2247$, and if you desaturate by 10%, it is $68.7273, 0.2997, 0.2827$.

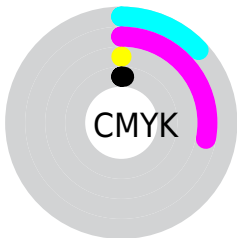
Distribution



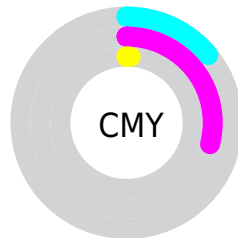
- Red (86%)
- Green (71%)
- Blue (99%)



- Red (86%)
- Yellow (71%)
- Blue (99%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (1%)




- Cyan (14%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5442, 0.2906, 0.2542 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 55.5442, 0.2906, 0.2542 by changing the saturation by 10% instead.


 55.5442, 0.2906,
0.2542

 55.5442, 0.2906,
0.2542


407.9715, 0.3018,
0.2884

 39.8376, 0.2878,
0.2465


 98.3378, 0.2947,
0.2659

 27.4119, 0.2843,
0.2372


126.1937, 0.2962,
0.2705

 17.8828, 0.2796,
0.2255


158.8680, 0.2975,
0.2745

 10.8659, 0.2732,
0.2106

196.7453, 0.2986,
0.2780

 5.9767, 0.2641,
0.1908

240.2099, 0.2996,
0.2811

 2.8309, 0.2502,
0.1638

289.6462, 0.3004,

 1.0441, 0.2271,

0.2838

0.1257

345.4386, 0.3012,
0.2862

0.0000, 0.1912,
0.0000

0.0000, 0.0000,
0.0000

55.5442, 0.2906,
0.2542

55.5442, 0.2906,
0.2542

44.3549, 0.2803,
0.2247

68.7273, 0.2997,
0.2827

35.0501, 0.2689,
0.1951

83.9921, 0.3075,
0.3096

27.5204, 0.2566,
0.1667

99.7424, 0.3142,
0.3319

21.6418, 0.2439,
0.1411

99.8079, 0.3144,
0.3319

■ 17.2735, 0.2312,
0.1197

■ 14.2502, 0.2192,
0.1035

■ 12.3522, 0.2083,
0.0928

■ 12.0107, 0.2060,
0.0908

Harmonies

Analogous

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



55.5442, 0.2477, 0.2464



55.5442, 0.2906, 0.2542



55.5442, 0.3435, 0.2782

Triad

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



55.5442, 0.2906, 0.2542



55.5442, 0.4094, 0.3933



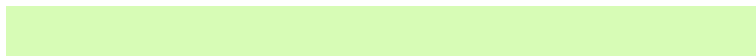
55.5442, 0.2389, 0.3382

Complementary

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



55.5442, 0.2906, 0.2542



87.4546, 0.3299, 0.4046

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.



55.5442, 0.2777, 0.3891



55.5442, 0.2906, 0.2542



55.5442, 0.3765, 0.4195

Square

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



55.5442, 0.2906, 0.2542



55.5442, 0.4154, 0.3546



55.5442, 0.3280, 0.4201



55.5442, 0.2199, 0.2896

Rectangle

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



55.5442, 0.2906, 0.2542



55.5442, 0.3767, 0.3010



55.5442, 0.3280, 0.4201



55.5442, 0.2499, 0.3560

Sweetspot

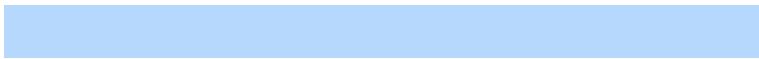
The Sweet Spot groups the original color and five complimentary colors.



55.5465, 0.2906, 0.2542



85.8857, 0.3073, 0.3089



66.0087, 0.2681, 0.2883



17.8494, 0.3062, 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.



55.5465, 0.2906, 0.2542



50.7739, 0.2853, 0.2387



61.1159, 0.3168, 0.2608



17.0937, 0.3062, 0.3051



6.3454, 0.2077, 0.0918



0.6508, 0.2202, 0.0987

Inverse Universe

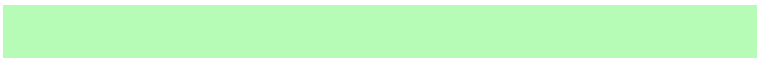
The Inverse Universe completely reimagines the original color for something new.



59.0721, 0.3452, 0.2949



55.0124, 0.3535, 0.2881



82.9925, 0.3083, 0.4083



17.3617, 0.3220, 0.3178



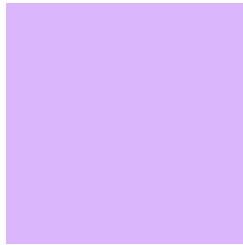
11.5041, 0.5080, 0.2572



1.0867, 0.4798, 0.2417

Previews

White Background



This preview shows how the Yxy color 55.5442, 0.2906, 0.2542 looks on a white background.

Color Contrast Check

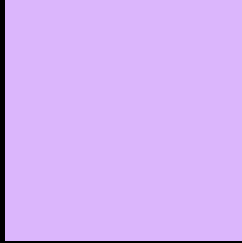
Large Text (above 18pt) WCAG AA × Fail

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 55.5442, 0.2906, 0.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

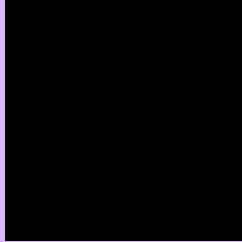
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.5442, 0.2906, 0.2542

Background



This preview shows how black text looks on a background with the Yxy color 55.5442, 0.2906, 0.2542.

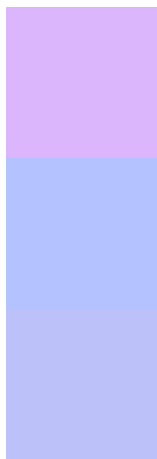


This preview shows how white text looks on a background with the Yxy color 55.5442, 0.2906, 0.2542.

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

55.5442, 0.2906, 0.2542

Protanopia

55.9535, 0.2625, 0.2605

Deuteranopia

55.7334, 0.2705, 0.2642



Tritanopia

55.5667, 0.3176, 0.3116

Trichromacy



Original Color

55.5442, 0.2906, 0.2542

Protanomaly

55.4520, 0.2718, 0.2575

Deuteranomaly

55.5023, 0.2771, 0.2599

Tritanomaly

55.5903, 0.3074, 0.2894

Monochromacy



Original Color

55.5442, 0.2906, 0.2542

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

57.1608, 0.3047, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5442, 0.2906, 0.2542 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(219, 182, 252)` looks like.

```
.text, #text, p{  
    color:rgb(219, 182, 252)  
}
```

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(219, 182, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 182, 252) }
```

Border

The CSS property to change the border of an element to Yxy 55.5442, 0.2906, 0.2542 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(219, 182, 252) }
```

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

```
.border{ border-color:rgb(219, 182, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 182, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 182, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 182, 252);  
box-shadow:4px 4px 4px 4px rgb(219, 182,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5442, 0.2906, 0.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 182, 252) }
```

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

```
.background{ background-color: rgb(219,  
182, 252) }
```

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