

# Converting Colors

$Yxy(55.8676, 0.2766, 0.2389)$

Have a look what the booklet for  
Yxy(55.8676, 0.2766, 0.2389)  
contains.

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# Color

**Yxy(54.9720, 0.2849, 0.2506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6B6FF
RGB	214, 182, 255
RGB Percent	84%, 71%, 100%
CMY	0.1609, 0.2862, 0.0001
CMYK	0.16, 0.29, 0.00, 0.00
HSL	266°, 100%, 86%
HSV	266°, 29%, 100%
XYZ	62.4961, 54.9720, 101.8934
YIQ	199.8900, -4.3610, 29.4870

# Conversions

## Conversions Part 2

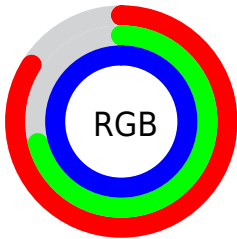
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 182, 255
Decimal	14071551
CIE <sub>Lab</sub>	79.03, 25.19, -31.79
CIE <sub>LCh</sub>	79, 40.562, 308.398
Yxy	54.9720, 0.2849, 0.2506
Android (android.graphics.Color)	4292261631 (0xFFD6B6FF)
YUV	199.8900, 27.1692, 12.3745
Hunter-Lab	74.1431, 20.7093, -29.5809

# Details

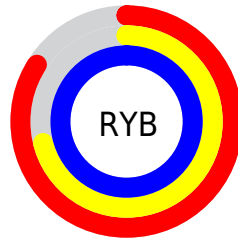
The Yxy color **54.9720, 0.2849, 0.2506** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.5678, 0.3347, 0.4061**, and the grayscale version is **57.5184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6291, 0.3135, 0.3127**, and **27.0468, 0.2768, 0.2329** is the 20% darker color. If you saturate the color by 10%, you get **43.4009, 0.2724, 0.2200**, and if you desaturate by 10%, it is **68.6386, 0.2960, 0.2799**.

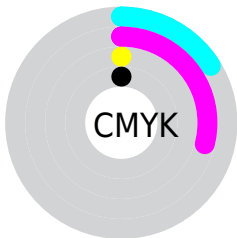
# Distribution



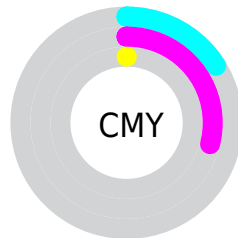
- Red (84%)
- Green (71%)
- Blue (100%)



- Red (84%)
- Yellow (71%)
- Blue (100%)



- Cyan (16%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (29%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9720, 0.2849, 0.2506 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 54.9720, 0.2849, 0.2506 by changing the saturation by 10% instead.





 54.9720, 0.2849,  
0.2506

 54.9720, 0.2849,  
0.2506


405.8058, 0.2989,  
0.2864

 39.3793, 0.2815,  
0.2426

 97.4999, 0.2899,  
0.2629

 27.0549, 0.2771,  
0.2328


125.2040, 0.2918,  
0.2677

 17.6145, 0.2715,  
0.2206


157.7139, 0.2935,  
0.2719

 10.6736, 0.2638,  
0.2050

195.4141, 0.2949,  
0.2755

 5.8478, 0.2529,  
0.1845

238.6890, 0.2961,  
0.2787

 2.7527, 0.2366,  
0.1567

287.9230, 0.2971,

 1.0041, 0.2102,

0.2816

0.1178

343.5004, 0.2980,  
0.2841

0.0000, 0.1639,  
0.0000

0.0000, 0.0000,  
0.0000

54.9720, 0.2849,  
0.2506

54.9720, 0.2849,  
0.2506

43.4009, 0.2724,  
0.2200

68.6386, 0.2960,  
0.2799

33.8103, 0.2588,  
0.1892

84.4940, 0.3056,  
0.3073

26.0843, 0.2442,  
0.1595

99.9977, 0.3127,  
0.3290

20.0920, 0.2294,  
0.1327

■ 15.6842, 0.2151,  
0.1102

■ 12.6854, 0.2019,  
0.0935

■ 10.8478, 0.1904,  
0.0827

■ 10.6389, 0.1889,  
0.0814

# Harmonies

## Analogous

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



54.9720, 0.2424, 0.2443



54.9720, 0.2849, 0.2506



54.9720, 0.3389, 0.2738

# Triad

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



54.9720, 0.2849, 0.2506



54.9720, 0.4142, 0.3914



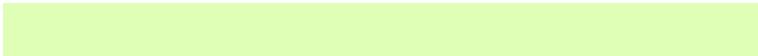
54.9720, 0.2398, 0.3438

# Complementary

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



54.9720, 0.2849, 0.2506



90.5678, 0.3347, 0.4061

# 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.



54.9720, 0.2813, 0.3954



54.9720, 0.2849, 0.2506



54.9720, 0.3825, 0.4204

# Square

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



54.9720, 0.2849, 0.2506



54.9720, 0.4174, 0.3510



54.9720, 0.3335, 0.4245



54.9720, 0.2182, 0.2925



# Rectangle

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



54.9720, 0.2849, 0.2506



54.9720, 0.3740, 0.2965



54.9720, 0.3335, 0.4245



54.9720, 0.2517, 0.3621

# Sweetspot

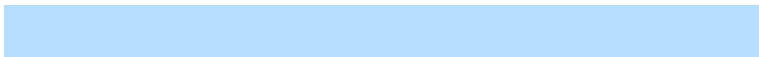
The Sweet Spot groups the original color and five complimentary colors.



54.9743, 0.2849, 0.2506



83.8562, 0.3052, 0.3062



70.1322, 0.2674, 0.2938



17.4276, 0.3039, 0.3024



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.



54.9743, 0.2849, 0.2506



48.4957, 0.2783, 0.2342



61.0265, 0.3123, 0.2567



17.7668, 0.3048, 0.3049



5.6455, 0.1906, 0.0824



0.6130, 0.2032, 0.0893



# Inverse Universe

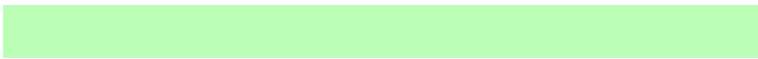
The Inverse Universe completely reimagines the original color for something new.



60.0484, 0.3411, 0.2873



54.3878, 0.3482, 0.2792



85.4262, 0.3117, 0.4118



18.1581, 0.3206, 0.3157



12.1811, 0.4702, 0.2364

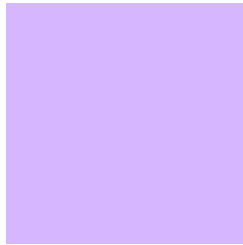


1.2080, 0.4484, 0.2244



# Previews

## White Background



This preview shows how the Yxy color 54.9720, 0.2849, 0.2506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

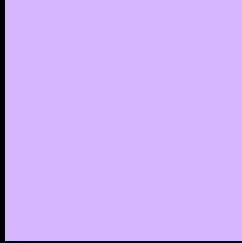
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9720, 0.2849, 0.2506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

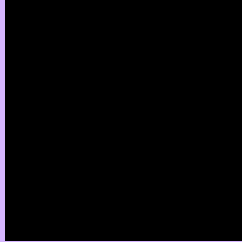
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.9720, 0.2849, 0.2506**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9720, 0.2849, 0.2506.



This preview shows how white text looks on a background with the Yxy color 54.9720, 0.2849, 0.2506.

# 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

54.9720, 0.2849, 0.2506

### Protanopia

55.3873, 0.2618, 0.2592

### Deuteranopia

54.9815, 0.2659, 0.2595



## Tritanopia

54.8396, 0.3135, 0.3114

# Trichromacy



**Original Color**

54.9720, 0.2849, 0.2506

**Protanomaly**

55.2534, 0.2699, 0.2562

**Deuteranomaly**

54.7243, 0.2723, 0.2553

**Tritanomaly**

54.9036, 0.3027, 0.2879

# Monochromacy



**Original Color**

54.9720, 0.2849, 0.2506

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

56.2864, 0.3024, 0.2978

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9720, 0.2849, 0.2506 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(214, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 182, 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(214, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 182, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9720, 0.2849, 0.2506 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(214, 182, 255) }
```

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

```
.border{ border-color:rgb(214, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 182,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9720, 0.2849, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 182, 255) }
```

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

```
.background{ background-color: rgb(214,  
182, 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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