

# Converting Colors

Yxy(56.6369, 0.2875, 0.2541)

Have a look what the booklet for  
Yxy(56.6369, 0.2875, 0.2541)  
contains.

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# **Color**

**Yxy(56.6696, 0.2872, 0.2543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9B9FF
RGB	217, 185, 255
RGB Percent	85%, 73%, 100%
CMY	0.1492, 0.2744, 0.0000
CMYK	0.15, 0.27, 0.00, 0.00
HSL	267°, 100%, 86%
HSV	267°, 27%, 100%
XYZ	64.0012, 56.6696, 102.1746
YIQ	202.5480, -3.3980, 28.5540

# Conversions

## Conversions Part 2

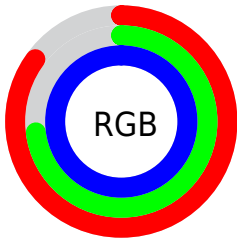
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 185, 255
Decimal	14268927
CIE Lab	79.99, 24.48, -30.30
CIE LCh	80, 38.955, 308.940
Yxy	56.6696, 0.2872, 0.2543
Android (android.graphics.Color)	4292459007 (0xFFD9B9FF)
YUV	202.5480, 25.8588, 12.6744
Hunter-Lab	75.2792, 20.0193, -27.7774

# Details

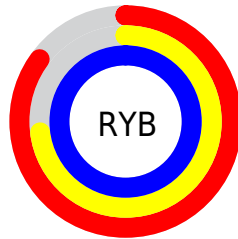
The Yxy color **56.6696, 0.2872, 0.2543** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.7252, 0.3330, 0.4029**, and the grayscale version is **59.2577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3906, 0.3133, 0.3156**, and **28.1568, 0.2799, 0.2378** is the 20% darker color. If you saturate the color by 10%, you get **44.9044, 0.2753, 0.2240**, and if you desaturate by 10%, it is **70.5310, 0.2977, 0.2833**.

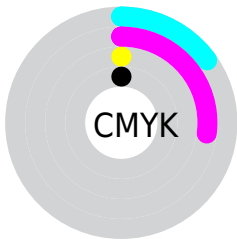
# Distribution



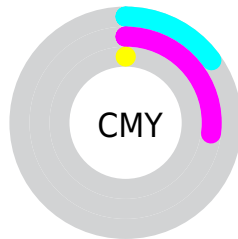
- Red (85%)
- Green (73%)
- Blue (100%)



- Red (85%)
- Yellow (73%)
- Blue (100%)



- Cyan (15%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6696, 0.2872, 0.2543 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 56.6696, 0.2872, 0.2543 by changing the saturation by 10% instead.





 56.6696, 0.2872,  
0.2543

 56.6696, 0.2872,  
0.2543


412.2101, 0.3000,  
0.2884

 40.7400, 0.2841,  
0.2467


 99.9829, 0.2918,  
0.2660

 28.1160, 0.2801,  
0.2374


128.1355, 0.2935,  
0.2706

 18.4131, 0.2750,  
0.2258


161.1312, 0.2950,  
0.2745

 11.2470, 0.2680,  
0.2110

199.3543, 0.2963,  
0.2780

 6.2332, 0.2581,  
0.1915

243.1894, 0.2974,  
0.2811

 2.9874, 0.2433,  
0.1649

293.0208, 0.2984,

 1.1252, 0.2192,

0.2838

0.1274

349.2329, 0.2992,  
0.2862

0.0000, 0.1845,  
0.0000

0.0000, 0.0000,  
0.0000

56.6696, 0.2872,  
0.2543

56.6696, 0.2872,  
0.2543

44.9044, 0.2753,  
0.2240

70.5310, 0.2977,  
0.2833

35.1224, 0.2622,  
0.1934

86.5810, 0.3068,  
0.3103

27.2092, 0.2482,  
0.1638

100.0000, 0.3127,  
0.3290

21.0361, 0.2337,  
0.1368

■ 16.4569, 0.2196,  
0.1141

■ 13.3004, 0.2065,  
0.0968

■ 11.3446, 0.1949,  
0.0855

■ 10.9542, 0.1921,  
0.0832

# Harmonies

## Analogous

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



56.6696, 0.2463, 0.2481



56.6696, 0.2872, 0.2543



56.6696, 0.3387, 0.2768

# Triad

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



56.6696, 0.2872, 0.2543



56.6696, 0.4090, 0.3895



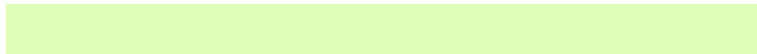
56.6696, 0.2427, 0.3422

# Complementary

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



56.6696, 0.2872, 0.2543



90.7252, 0.3330, 0.4029

# 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.



56.6696, 0.2821, 0.3911



56.6696, 0.2872, 0.2543



56.6696, 0.3786, 0.4164

# Square

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



56.6696, 0.2872, 0.2543



56.6696, 0.4125, 0.3511



56.6696, 0.3319, 0.4193



56.6696, 0.2223, 0.2938



# Rectangle

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



56.6696, 0.2872, 0.2543



56.6696, 0.3718, 0.2987



56.6696, 0.3319, 0.4193



56.6696, 0.2540, 0.3596

# Sweetspot

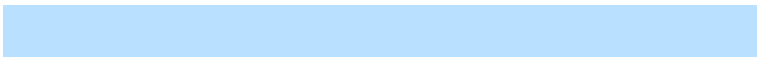
The Sweet Spot groups the original color and five complimentary colors.



56.6717, 0.2872, 0.2543



85.6239, 0.3063, 0.3089



70.5868, 0.2691, 0.2941



17.7835, 0.3051, 0.3049



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.



56.6717, 0.2872, 0.2543



49.8784, 0.2808, 0.2376



62.5313, 0.3132, 0.2599



17.7835, 0.3051, 0.3049



5.8100, 0.1938, 0.0841



0.6297, 0.2063, 0.0910



# Inverse Universe

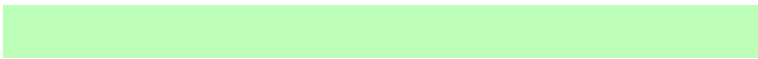
The Inverse Universe completely reimagines the original color for something new.



61.3011, 0.3407, 0.2903



55.3191, 0.3481, 0.2822



85.7820, 0.3111, 0.4081



18.1524, 0.3209, 0.3161



12.1087, 0.4778, 0.2406

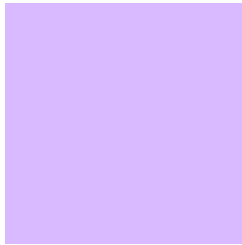


1.2010, 0.4550, 0.2280



# Previews

## White Background



This preview shows how the Yxy color 56.6696, 0.2872, 0.2543 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

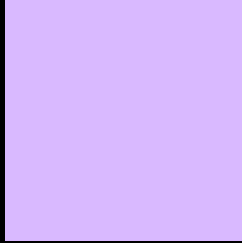
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.6696, 0.2872, 0.2543 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 56.6696, 0.2872, 0.2543**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6696, 0.2872, 0.2543.

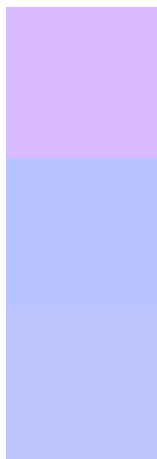


This preview shows how white text looks on a background with the Yxy color 56.6696, 0.2872, 0.2543.

# 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

56.6696, 0.2872, 0.2543

### Protanopia

56.7671, 0.2646, 0.2620

### Deuteranopia

56.9409, 0.2696, 0.2636



## Tritanopia

56.7423, 0.3135, 0.3116

# Trichromacy



## Original Color

56.6696, 0.2872, 0.2543

## Protanomaly

56.5214, 0.2721, 0.2589

## Deuteranomaly

56.5595, 0.2754, 0.2593

## Tritanomaly

56.7496, 0.3036, 0.2895

# Monochromacy



## Original Color

56.6696, 0.2872, 0.2543

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

58.1637, 0.3033, 0.2993

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6696, 0.2872, 0.2543 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(217, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 185, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6696, 0.2872, 0.2543 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(217, 185, 255) }
```

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

```
.border{ border-color:rgb(217, 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(217, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 185,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6696, 0.2872, 0.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 185, 255) }
```

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

```
.background{ background-color: rgb(217,  
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](#).

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