

Converting Colors

$Y_{xy}(56.7933, 0.2914, 0.2532)$

Have a look what the booklet for
Yxy(56.7933, 0.2914, 0.2532)
contains.

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Color

Yxy(56.7749, 0.2916, 0.2531)

Conversions

Conversions Part 1

Format	Color
Hex	DFB7FF
RGB	223, 183, 255
RGB Percent	87%, 72%, 100%
CMY	0.1256, 0.2823, 0.0000
CMYK	0.13, 0.28, 0.00, 0.00
HSL	273°, 100%, 86%
HSV	273°, 28%, 100%
XYZ	65.4111, 56.7749, 102.1320
YIQ	203.1680, 0.7280, 30.8720

Conversions

Conversions Part 2

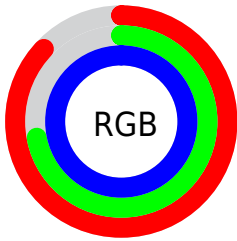
Format	Color
R _Y B	223, 183, 255
Decimal	14661631
CIE Lab	80.05, 27.42, -30.17
CIE LCh	80, 40.770, 312.269
Yxy	56.7749, 0.2916, 0.2531
Android (android.graphics.Color)	4292851711 (0xFFDFB7FF)
YUV	203.1680, 25.5532, 17.3927
Hunter-Lab	75.3491, 23.0962, -27.6203

Details

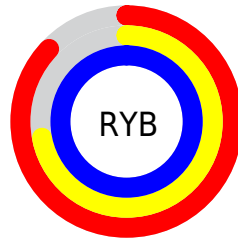
The Yxy color **56.7749, 0.2916, 0.2531** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.3917, 0.3289, 0.4064**, and the grayscale version is **59.6674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2130, 0.3134, 0.3136**, and **28.2580, 0.2856, 0.2366** is the 20% darker color. If you saturate the color by 10%, you get **45.4502, 0.2819, 0.2238**, and if you desaturate by 10%, it is **70.1285, 0.3002, 0.2815**.

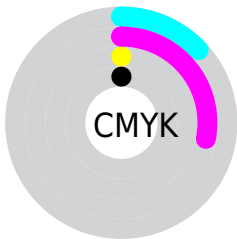
Distribution



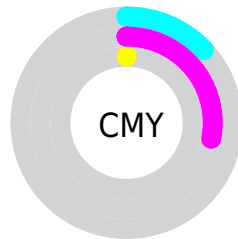
- Red (87%)
- Green (72%)
- Blue (100%)



- Red (87%)
- Yellow (72%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7749, 0.2916, 0.2531 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 56.7749, 0.2916, 0.2531 by changing the saturation by 10% instead.


 56.7749, 0.2916,
0.2531

 56.7749, 0.2916,
0.2531


412.6053, 0.3024,
0.2876

 40.8245, 0.2889,
0.2454


 100.1367, 0.2955,
0.2649

 28.1820, 0.2855,
0.2361


128.3169, 0.2970,
0.2695

 18.4629, 0.2811,
0.2244


161.3425, 0.2982,
0.2736

 11.2828, 0.2750,
0.2095

199.5979, 0.2993,
0.2771

 6.2574, 0.2663,
0.1900

243.4674, 0.3002,
0.2802

 3.0022, 0.2531,
0.1635

293.3356, 0.3010,

 1.1329, 0.2312,

0.2829

0.1263

349.5868, 0.3017,
0.2854

0.0058, 0.2036,
0.0018

0.0000, 0.0000,
0.0000

56.7749, 0.2916,
0.2531

56.7749, 0.2916,
0.2531

45.4502, 0.2819,
0.2238

70.1285, 0.3002,
0.2815

36.0451, 0.2711,
0.1947

85.6045, 0.3075,
0.3084

28.4460, 0.2595,
0.1669

100.0000, 0.3127,
0.3290

22.5248, 0.2474,
0.1420

■ 18.1364, 0.2354,
0.1212

■ 15.1095, 0.2239,
0.1057

■ 13.2090, 0.2134,
0.0955

■ 12.9326, 0.2117,
0.0940

Harmonies

Analogous

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



56.7749, 0.2473, 0.2445



56.7749, 0.2916, 0.2531



56.7749, 0.3458, 0.2781

Triad

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



56.7749, 0.2916, 0.2531



56.7749, 0.4110, 0.3957



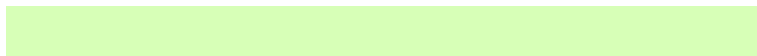
56.7749, 0.2362, 0.3366

Complementary

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



56.7749, 0.2916, 0.2531



89.3917, 0.3289, 0.4064

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.



56.7749, 0.2753, 0.3892



56.7749, 0.2916, 0.2531



56.7749, 0.3766, 0.4221

Square

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



56.7749, 0.2916, 0.2531



56.7749, 0.4183, 0.3563



56.7749, 0.3266, 0.4220



56.7749, 0.2176, 0.2872

Rectangle

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



56.7749, 0.2916, 0.2531



56.7749, 0.3797, 0.3015



56.7749, 0.3266, 0.4220



56.7749, 0.2472, 0.3549

Sweetspot

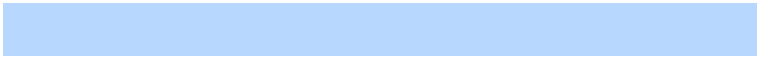
The Sweet Spot groups the original color and five complimentary colors.



56.7762, 0.2916, 0.2531



85.9872, 0.3077, 0.3090



66.0969, 0.2670, 0.2847



17.8750, 0.3066, 0.3051



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.



56.7762, 0.2916, 0.2531



50.0011, 0.2861, 0.2363



62.1222, 0.3187, 0.2617



17.8750, 0.3066, 0.3051



6.8475, 0.2133, 0.0949



0.7315, 0.2249, 0.1012

Inverse Universe

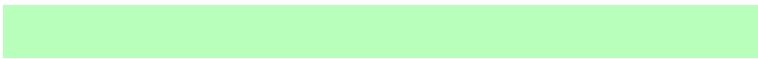
The Inverse Universe completely reimagines the original color for something new.



60.0399, 0.3476, 0.2962



53.8747, 0.3573, 0.2892



85.1600, 0.3069, 0.4070



18.1214, 0.3224, 0.3185



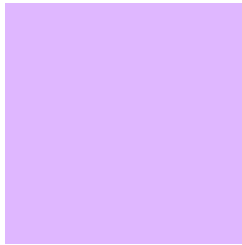
11.7659, 0.5198, 0.2637



1.1672, 0.4915, 0.2481

Previews

White Background



This preview shows how the Yxy color 56.7749, 0.2916, 0.2531 looks on a white background.

Color Contrast Check

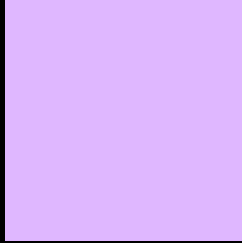
Large Text (above 18pt) WCAG AA × Fail

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 56.7749, 0.2916, 0.2531 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 56.7749, 0.2916, 0.2531

Background



This preview shows how black text looks on a background with the Yxy color 56.7749, 0.2916, 0.2531.

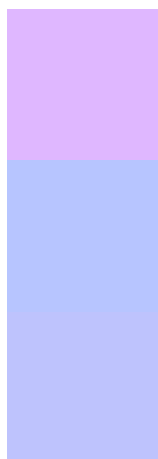


This preview shows how white text looks on a background with the Yxy color 56.7749, 0.2916, 0.2531.

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

56.7749, 0.2916, 0.2531

Protanopia

57.2198, 0.2647, 0.2632

Deuteranopia

57.0692, 0.2702, 0.2637



Tritanopia

56.6513, 0.3200, 0.3118

Trichromacy



Original Color

56.7749, 0.2916, 0.2531

Protanomaly

56.9250, 0.2742, 0.2593

Deuteranomaly

56.9739, 0.2775, 0.2597

Tritanomaly

56.6824, 0.3098, 0.2899

Monochromacy



Original Color

56.7749, 0.2916, 0.2531

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

58.4554, 0.3048, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7749, 0.2916, 0.2531 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(223, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 183, 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(223, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.7749, 0.2916, 0.2531 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(223, 183, 255) }
```

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

```
.border{ border-color:rgb(223, 183, 255) }
```

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

Here you see how a box with a 4 pixel rgb(223, 183, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7749, 0.2916, 0.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 183, 255) }
```

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

```
.background{ background-color: rgb(223,  
183, 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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