

Converting Colors

$Y_{xy}(56.5435, 0.2963, 0.2542)$

Have a look what the booklet for
Yxy(56.5435, 0.2963, 0.2542)
contains.

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Color

Yxy(56.4705, 0.2960, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	E3B5FD
RGB	227, 181, 253
RGB Percent	89%, 71%, 99%
CMY	0.1097, 0.2902, 0.0078
CMYK	0.10, 0.28, 0.00, 0.01
HSL	278°, 95%, 85%
HSV	278°, 28%, 99%
XYZ	65.9379, 56.4705, 100.3549
YIQ	202.9620, 4.3040, 32.1440

Conversions

Conversions Part 2

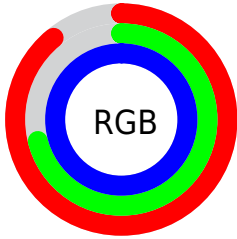
Format	Color
R _Y B	227, 181, 253
Decimal	14923261
CIE Lab	79.88, 29.35, -29.32
CIE LCh	80, 41.485, 315.021
Yxy	56.4705, 0.2960, 0.2535
Android (android.graphics.Color)	4293113341 (0xFFE3B5FD)
YUV	202.9620, 24.6687, 21.0813
Hunter-Lab	75.1469, 25.1186, -26.5760

Details

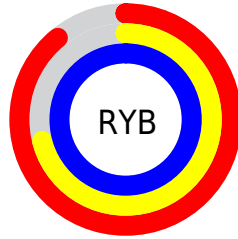
The Yxy color $56.4705, 0.2960, 0.2535$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $86.8499, 0.3250, 0.4080$, and the grayscale version is $59.5389, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.0484, 0.3135, 0.3117$, and $28.0818, 0.2912, 0.2372$ is the 20% darker color. If you saturate the color by 10%, you get $45.6565, 0.2883, 0.2252$, and if you desaturate by 10%, it is $69.2361, 0.3028, 0.2813$.

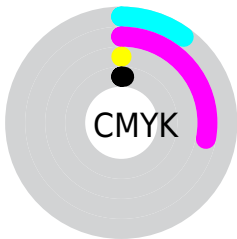
Distribution



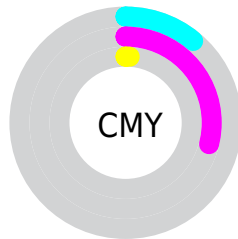
- Red (89%)
- Green (71%)
- Blue (99%)



- Red (89%)
- Yellow (71%)
- Blue (99%)



- Cyan (10%)
- Magenta (28%)
- Yellow (0%)
- Black (1%)





- Cyan (11%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4705, 0.2960, 0.2535 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 56.4705, 0.2960, 0.2535 by changing the saturation by 10% instead.


 56.4705, 0.2960,
0.2535

 56.4705, 0.2960,
0.2535


411.4622, 0.3047,
0.2878

 40.5803, 0.2938,
0.2459


 99.6922, 0.2992,
0.2652

 27.9913, 0.2910,
0.2366


127.7924, 0.3004,
0.2699

 18.3191, 0.2872,
0.2250


160.7314, 0.3014,
0.2739

 11.1793, 0.2820,
0.2102

198.8936, 0.3023,
0.2773

 6.1876, 0.2745,
0.1907

242.6634, 0.3030,
0.2804

 2.9595, 0.2629,
0.1643

292.4252, 0.3036,

 1.1106, 0.2433,

0.2832

0.1271

348.5633, 0.3042,
0.2856

0.0000, 0.2210,
0.0000

0.0000, 0.0000,
0.0000

56.4705, 0.2960,
0.2535

56.4705, 0.2960,
0.2535

45.6565, 0.2883,
0.2252

69.2361, 0.3028,
0.2813

36.6845, 0.2796,
0.1973

84.0408, 0.3085,
0.3079

29.4449, 0.2702,
0.1711

99.7598, 0.3135,
0.3309

23.8131, 0.2604,
0.1478

99.8721, 0.3139,
0.3309

■ 19.6476, 0.2505,
0.1288

■ 16.7808, 0.2408,
0.1147

■ 14.9775, 0.2318,
0.1055

■ 14.7454, 0.2304,
0.1043

Harmonies

Analogous

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



56.4705, 0.2495, 0.2430



56.4705, 0.2960, 0.2535



56.4705, 0.3515, 0.2802

Triad

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



56.4705, 0.2960, 0.2535



56.4705, 0.4106, 0.4000



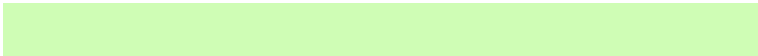
56.4705, 0.2321, 0.3316

Complementary

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



56.4705, 0.2960, 0.2535



86.8499, 0.3250, 0.4080

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.



56.4705, 0.2702, 0.3861



56.4705, 0.2960, 0.2535



56.4705, 0.3734, 0.4252

Square

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



56.4705, 0.2960, 0.2535



56.4705, 0.4210, 0.3606



56.4705, 0.3218, 0.4223



56.4705, 0.2153, 0.2825

Rectangle

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



56.4705, 0.2960, 0.2535



56.4705, 0.3853, 0.3045



56.4705, 0.3218, 0.4223



56.4705, 0.2427, 0.3503

Sweetspot

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



56.4729, 0.2960, 0.2535



84.6848, 0.3083, 0.3065



61.7339, 0.2659, 0.2773



17.6317, 0.3075, 0.3027



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.



56.4729, 0.2960, 0.2535



51.1392, 0.2918, 0.2378



60.4243, 0.3233, 0.2666



17.9535, 0.3080, 0.3052



7.9289, 0.2318, 0.1051



0.8337, 0.2419, 0.1106

Inverse Universe

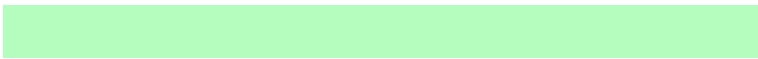
The Inverse Universe completely reimagines the original color for something new.



58.4326, 0.3531, 0.3021



53.5265, 0.3639, 0.2966



83.8195, 0.3037, 0.4006



18.0954, 0.3237, 0.3205



11.5384, 0.5541, 0.2826



1.1435, 0.5228, 0.2654

Previews

White Background



This preview shows how the Yxy color 56.4705, 0.2960, 0.2535 looks on a white background.

Color Contrast Check

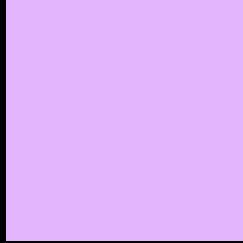
Large Text (above 18pt) WCAG AA × Fail

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 56.4705, 0.2960, 0.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

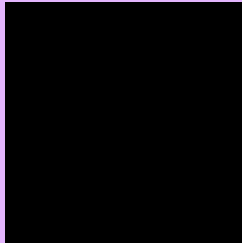
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4705, 0.2960, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 56.4705, 0.2960, 0.2535.

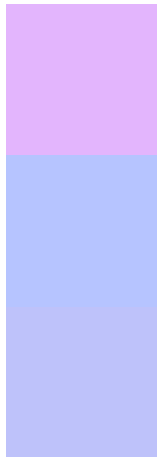


This preview shows how white text looks on a background with the Yxy color 56.4705, 0.2960, 0.2535.

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

56.4705, 0.2960, 0.2535

Protanopia

56.6449, 0.2639, 0.2619

Deuteranopia

56.4329, 0.2719, 0.2656



Tritanopia

56.4503, 0.3258, 0.3120

Trichromacy



Original Color

56.4705, 0.2960, 0.2535



Protanomaly

56.4231, 0.2747, 0.2591



Deuteranomaly

56.0567, 0.2799, 0.2605



Tritanomaly

56.5025, 0.3153, 0.2903

Monochromacy



Original Color

56.4705, 0.2960, 0.2535



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

58.2477, 0.3071, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4705, 0.2960, 0.2535 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(227, 181, 253)` looks like.

```
.text, #text, p{  
    color:rgb(227, 181, 253)  
}
```

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(227, 181, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 181, 253) }
```

Border

The CSS property to change the border of an element to Yxy 56.4705, 0.2960, 0.2535 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(227, 181, 253) }
```

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

```
.border{ border-color:rgb(227, 181, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 181, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 181, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 181, 253);  
box-shadow:4px 4px 4px 4px rgb(227, 181,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4705, 0.2960, 0.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 181, 253) }
```

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

```
.background{ background-color: rgb(227,  
181, 253) }
```

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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