

Converting Colors

$Y_{xy}(67.1493, 0.2956, 0.2780)$

Have a look what the booklet for
Yxy(67.1493, 0.2956, 0.2780)
contains.

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Color

Yxy(67.1493, 0.2956, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	E3CDFE
RGB	227, 205, 254
RGB Percent	89%, 80%, 100%
CMY	0.1099, 0.1961, 0.0038
CMYK	0.11, 0.19, 0.00, 0.00
HSL	267°, 96%, 90%
HSV	267°, 19%, 100%
XYZ	71.4005, 67.1493, 102.9945
YIQ	217.1640, -2.6170, 19.9030

Conversions

Conversions Part 2

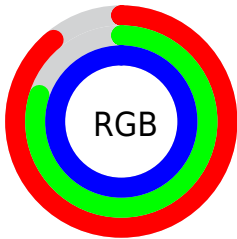
Format	Color
R _Y B	227, 205, 254
Decimal	14929406
CIE Lab	85.58, 16.68, -21.19
CIE LCh	86, 26.970, 308.212
Yxy	67.1493, 0.2956, 0.2780
Android (android.graphics.Color)	4293119486 (0xFFE3CDFE)
YUV	217.1640, 18.1601, 8.6262
Hunter-Lab	81.9447, 12.1284, -17.1590

Details

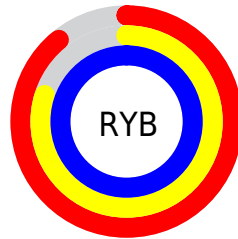
The Yxy color $67.1493, 0.2956, 0.2780$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.4807, 0.3274, 0.3796$, and the grayscale version is $69.3824, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.8224, 0.2912, 0.2672$ is the 20% darker color. If you saturate the color by 10%, you get $53.7820, 0.2847, 0.2487$, and if you desaturate by 10%, it is $82.6808, 0.3051, 0.3055$.

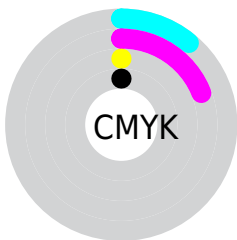
Distribution



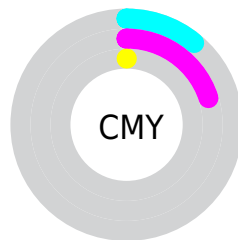
- Red (89%)
- Green (80%)
- Blue (100%)



- Red (89%)
- Yellow (80%)
- Blue (100%)



- Cyan (11%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1493, 0.2956, 0.2780 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 67.1493, 0.2956, 0.2780 by changing the saturation by 10% instead.

67.1493, 0.2956,
0.2780

67.1493, 0.2956,
0.2780

450.4760, 0.3039,
0.3011

49.2060, 0.2936,
0.2729

115.1343, 0.2985,
0.2859

34.7829, 0.2912,
0.2666

145.9448, 0.2996,
0.2890

23.4957, 0.2880,
0.2588

181.8131, 0.3006,
0.2917

14.9599, 0.2838,
0.2487

223.1236, 0.3014,
0.2940

8.7913, 0.2780,
0.2354

270.2608, 0.3022,
0.2961

4.6053, 0.2693,
0.2170

323.6090, 0.3028,

2.0176, 0.2554,

0.2980

0.1900

383.5526, 0.3034,
0.2996

0.6177, 0.2317,
0.1426

0.0000, 0.0000,
0.0000

67.1493, 0.2956,
0.2780

67.1493, 0.2956,
0.2780

53.7820, 0.2847,
0.2487

82.6808, 0.3051,
0.3055

42.4710, 0.2723,
0.2181

99.9382, 0.3133,
0.3299

33.1116, 0.2588,
0.1875

25.5863, 0.2445,
0.1581

■ 19.7644, 0.2299,
0.1317

■ 15.4971, 0.2158,
0.1098

■ 12.6083, 0.2028,
0.0936

■ 10.8327, 0.1915,
0.0831

■ 10.7282, 0.1908,
0.0825

Harmonies

Analogous

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



67.1493, 0.2679, 0.2746



67.1493, 0.2956, 0.2780



67.1493, 0.3294, 0.2933

Triad

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



67.1493, 0.2956, 0.2780



67.1493, 0.3764, 0.3700



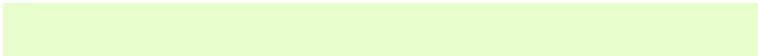
67.1493, 0.2668, 0.3391

Complementary

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



67.1493, 0.2956, 0.2780



92.4807, 0.3274, 0.3796

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.



67.1493, 0.2940, 0.3691



67.1493, 0.2956, 0.2780



67.1493, 0.3576, 0.3863

Square

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



67.1493, 0.2956, 0.2780



67.1493, 0.3775, 0.3446



67.1493, 0.3272, 0.3868



67.1493, 0.2520, 0.3077

Rectangle

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



67.1493, 0.2956, 0.2780



67.1493, 0.3508, 0.3085



67.1493, 0.3272, 0.3868



67.1493, 0.2748, 0.3498

Sweetspot

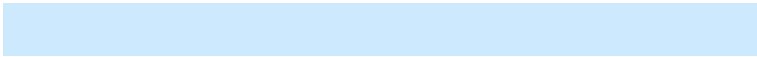
The Sweet Spot groups the original color and five complimentary colors.



67.1521, 0.2956, 0.2780



89.0578, 0.3079, 0.3141



78.2972, 0.2823, 0.3064



18.8179, 0.3074, 0.3124



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.



67.1521, 0.2956, 0.2780



62.4894, 0.2917, 0.2673



71.2896, 0.3126, 0.2806



17.7764, 0.3049, 0.3049



5.7388, 0.1924, 0.0834



0.6225, 0.2050, 0.0903

Inverse Universe

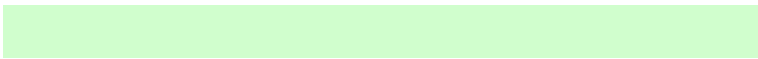
The Inverse Universe completely reimagines the original color for something new.



70.5724, 0.3306, 0.3019



66.5387, 0.3348, 0.2964



88.7652, 0.3122, 0.3820



18.1548, 0.3207, 0.3160



12.1392, 0.4745, 0.2388



1.2040, 0.4521, 0.2264

Previews

White Background



This preview shows how the Yxy color 67.1493, 0.2956, 0.2780 looks on a white background.

Color Contrast Check

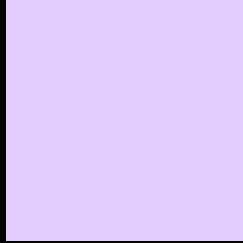
Large Text (above 18pt) WCAG AA × Fail

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 67.1493, 0.2956, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

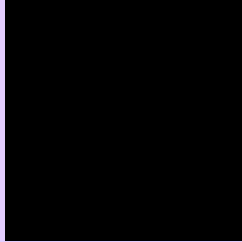
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.1493, 0.2956, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 67.1493, 0.2956, 0.2780.

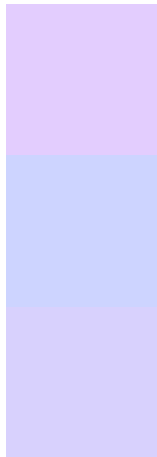


This preview shows how white text looks on a background with the Yxy color 67.1493, 0.2956, 0.2780.

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

67.1493, 0.2956, 0.2780

Protanopia

67.2861, 0.2804, 0.2826

Deuteranopia

67.2917, 0.2888, 0.2822



Tritanopia

67.2721, 0.3113, 0.3116

Trichromacy



Original Color

67.1493, 0.2956, 0.2780

Protanomaly

66.9671, 0.2855, 0.2800

Deuteranomaly

67.4192, 0.2915, 0.2815

Tritanomaly

67.0152, 0.3053, 0.2990

Monochromacy



Original Color

67.1493, 0.2956, 0.2780

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.6738, 0.3071, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1493, 0.2956, 0.2780 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, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(227, 205, 254)  
}
```

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, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 205, 254) }
```

Border

The CSS property to change the border of an element to Yxy 67.1493, 0.2956, 0.2780 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, 205, 254) }
```

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

```
.border{ border-color:rgb(227, 205, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 205, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 205, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 205, 254); box-shadow:4px 4px 4px 4px rgb(227, 205, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1493, 0.2956, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 205, 254) }
```

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

```
.background{ background-color: rgb(227,  
205, 254) }
```

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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