

Converting Colors

$Y_{xy}(69.2952, 0.2734, 0.2571)$

Have a look what the booklet for
Yxy(69.2952, 0.2734, 0.2571)
contains.

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Color

Yxy(67.5726, 0.2882, 0.2804)

Conversions

Conversions Part 1

Format	Color
Hex	D9D1FF
RGB	217, 209, 255
RGB Percent	85%, 82%, 100%
CMY	0.1492, 0.1803, 0.0001
CMYK	0.15, 0.18, 0.00, 0.00
HSL	250°, 100%, 91%
HSV	250°, 18%, 100%
XYZ	69.4523, 67.5726, 103.9616
YIQ	216.6360, -9.9980, 16.0020

Conversions

Conversions Part 2

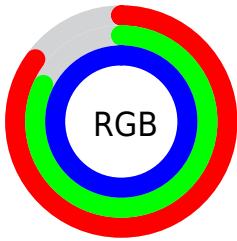
Format	Color
R _Y B	217, 209, 255
Decimal	14275071
CIE Lab	85.79, 11.59, -21.44
CIE LCh	86, 24.370, 298.405
Yxy	67.5726, 0.2882, 0.2804
Android (android.graphics.Color)	4292465151 (0xFFD9D1FF)
YUV	216.6360, 18.9135, 0.3192
Hunter-Lab	82.2026, 6.9588, -17.4423

Details

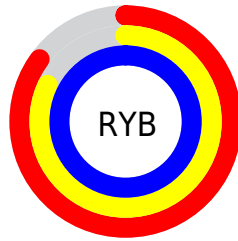
The Yxy color $67.5726, 0.2882, 0.2804$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.8831, 0.3347, 0.3748$, and the grayscale version is $68.9970, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.2013, 0.2825, 0.2702$ is the 20% darker color. If you saturate the color by 10%, you get $53.0203, 0.2720, 0.2494$, and if you desaturate by 10%, it is $84.5455, 0.3026, 0.3086$.

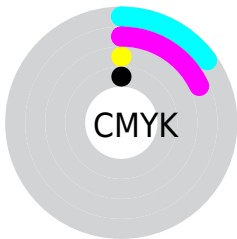
Distribution



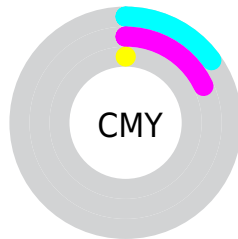
- Red (85%)
- Green (82%)
- Blue (100%)



- Red (85%)
- Yellow (82%)
- Blue (100%)



- Cyan (15%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5726, 0.2882, 0.2804 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 67.5726, 0.2882, 0.2804 by changing the saturation by 10% instead.

■ 67.5726, 0.2882,
0.2804

■ 67.5726, 0.2882,
0.2804

451.9802, 0.2998,
0.3025

■ 49.5501, 0.2855,
0.2755

115.7405, 0.2923,
0.2880

■ 35.0561, 0.2822,
0.2694

146.6547, 0.2938,
0.2910

■ 23.7061, 0.2779,
0.2618

182.6349, 0.2952,
0.2935

■ 15.1157, 0.2722,
0.2521

224.0656, 0.2963,
0.2958

■ 8.9006, 0.2645,
0.2391

271.3310, 0.2974,
0.2978

■ 4.6764, 0.2533,
0.2210

324.8157, 0.2983,

■ 2.0587, 0.2358,

0.2995

0.1944

384.9040, 0.2991,
0.3011

0.6412, 0.2063,
0.1480

0.0000, 0.0000,
0.0000

67.5726, 0.2882,
0.2804

67.5726, 0.2882,
0.2804

53.0203, 0.2720,
0.2494

84.5455, 0.3026,
0.3086

40.7698, 0.2540,
0.2162

99.9979, 0.3127,
0.3290

30.7045, 0.2349,
0.1819

22.6944, 0.2154,
0.1485

■ 16.5955, 0.1967,
0.1181

■ 12.2448, 0.1802,
0.0930

■ 9.4514, 0.1670,
0.0752

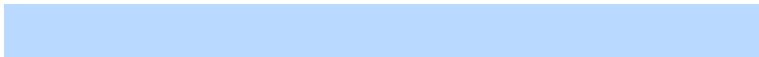
■ 7.9616, 0.1579,
0.0651

■ 7.7547, 0.1566,
0.0636

Harmonies

Analogous

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



67.5726, 0.2662, 0.2814



67.5726, 0.2882, 0.2804



67.5726, 0.3178, 0.2910

Triad

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



67.5726, 0.2882, 0.2804



67.5726, 0.3723, 0.3594



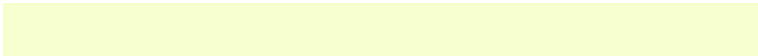
67.5726, 0.2783, 0.3476

Complementary

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



67.5726, 0.2882, 0.2804



95.8831, 0.3347, 0.3748

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.



67.5726, 0.3055, 0.3718



67.5726, 0.2882, 0.2804



67.5726, 0.3603, 0.3773

Square

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



67.5726, 0.2882, 0.2804



67.5726, 0.3676, 0.3352



67.5726, 0.3356, 0.3826



67.5726, 0.2607, 0.3188

Rectangle

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



67.5726, 0.2882, 0.2804



67.5726, 0.3380, 0.3033



67.5726, 0.3356, 0.3826



67.5726, 0.2866, 0.3567

Sweetspot

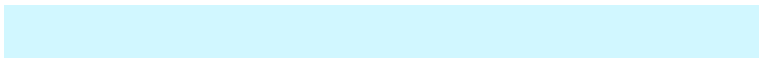
The Sweet Spot groups the original color and five complimentary colors.



67.5754, 0.2882, 0.2804



90.1875, 0.3065, 0.3165



87.4877, 0.2851, 0.3210



19.0196, 0.3056, 0.3147



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.



67.5754, 0.2882, 0.2804



61.5170, 0.2820, 0.2684



71.2941, 0.3039, 0.2826



17.5286, 0.3006, 0.3046



4.0967, 0.1576, 0.0642



0.4386, 0.1667, 0.0692

Inverse Universe

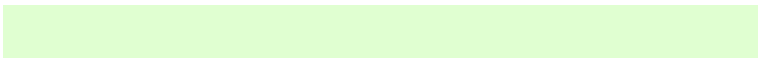
The Inverse Universe completely reimagines the original color for something new.



73.5827, 0.3203, 0.2916



68.6721, 0.3222, 0.2831



92.0050, 0.3200, 0.3769



18.2433, 0.3165, 0.3096



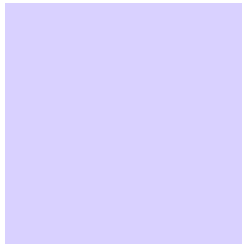
13.5844, 0.3702, 0.1813



1.3362, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 67.5726, 0.2882, 0.2804 looks on a white background.

Color Contrast Check

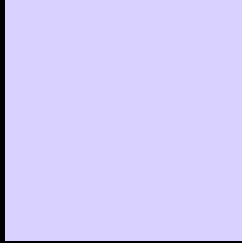
Large Text (above 18pt) WCAG AA × Fail

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 67.5726, 0.2882, 0.2804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

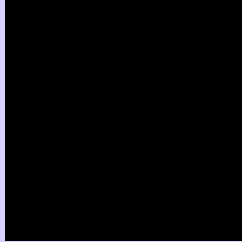
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5726, 0.2882, 0.2804

Background



This preview shows how black text looks on a background with the Yxy color 67.5726, 0.2882, 0.2804.

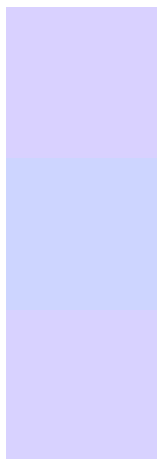


This preview shows how white text looks on a background with the Yxy color 67.5726, 0.2882, 0.2804.

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

67.5726, 0.2882, 0.2804

Protanopia

67.7876, 0.2805, 0.2837

Deuteranopia

67.9121, 0.2876, 0.2813



Tritanopia

67.4478, 0.3014, 0.3103

Trichromacy



Original Color

67.5726, 0.2882, 0.2804

Protanomaly

67.8623, 0.2830, 0.2829

Deuteranomaly

67.9121, 0.2876, 0.2813

Tritanomaly

67.6151, 0.2963, 0.2996

Monochromacy



Original Color

67.5726, 0.2882, 0.2804

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.6144, 0.3035, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5726, 0.2882, 0.2804 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, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 209, 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, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.5726, 0.2882, 0.2804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

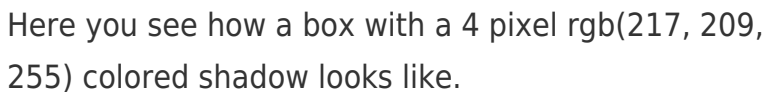
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 209, 255) }
```

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

```
.border{ border-color:rgb(217, 209, 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, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 209, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 209, 255); box-shadow:4px 4px 4px 4px rgb(217, 209, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5726, 0.2882, 0.2804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 209, 255) }
```

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

```
.background{ background-color: rgb(217,  
209, 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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