

Converting Colors

$Y_{xy}(72.7417, 0.2335, 0.1842)$

Have a look what the booklet for
Yxy(72.7417, 0.2335, 0.1842)
contains.

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Color

Yxy(62.9803, 0.2906, 0.2689)

Conversions

Conversions Part 1

Format	Color
Hex	DDC6FF
RGB	221, 198, 255
RGB Percent	87%, 78%, 100%
CMY	0.1333, 0.2235, 0.0000
CMYK	0.13, 0.22, 0.00, 0.00
HSL	264°, 100%, 89%
HSV	264°, 22%, 100%
XYZ	68.0628, 62.9803, 103.1715
YIQ	211.3750, -4.5890, 22.6030

Conversions

Conversions Part 2

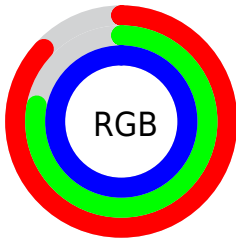
Format	Color
R _Y B	221, 198, 255
Decimal	14534399
CIE Lab	83.43, 18.74, -25.01
CIE LCh	83, 31.250, 306.853
Yxy	62.9803, 0.2906, 0.2689
Android (android.graphics.Color)	4292724479 (0xFFDDC6FF)
YUV	211.3750, 21.5071, 8.4411
Hunter-Lab	79.3601, 14.2093, -21.5274

Details

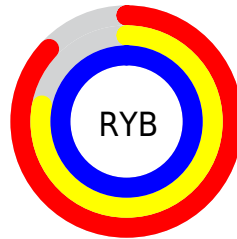
The Yxy color **62.9803, 0.2906, 0.2689** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.7489, 0.3313, 0.3879**, and the grayscale version is **65.2613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.0231, 0.2845, 0.2553** is the 20% darker color. If you saturate the color by 10%, you get **50.0102, 0.2783, 0.2387**, and if you desaturate by 10%, it is **78.1342, 0.3014, 0.2972**.

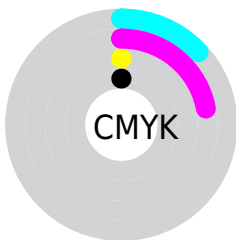
Distribution



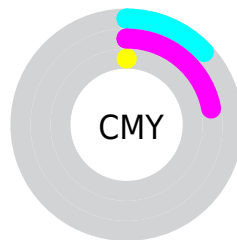
- Red (87%)
- Green (78%)
- Blue (100%)



- Red (87%)
- Yellow (78%)
- Blue (100%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9803, 0.2906, 0.2689 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 62.9803, 0.2906, 0.2689 by changing the saturation by 10% instead.


 62.9803, 0.2906,
0.2689

 62.9803, 0.2906,
0.2689


435.4980, 0.3014,
0.2962

 45.8253, 0.2880,
0.2628


109.1411, 0.2944,
0.2783

 32.1080, 0.2848,
0.2554


138.9156, 0.2959,
0.2819

 21.4440, 0.2806,
0.2461


173.6655, 0.2971,
0.2851

 13.4489, 0.2750,
0.2341

213.7750, 0.2982,
0.2879

 7.7384, 0.2673,
0.2183

259.6287, 0.2992,
0.2903

 3.9280, 0.2557,
0.1966

311.6108, 0.3000,

 1.6334, 0.2372,

0.2925

0.1650

370.1057, 0.3007,
0.2945

0.3799, 0.2086,
0.0968

0.0000, 0.0000,
0.0000

62.9803, 0.2906,
0.2689

62.9803, 0.2906,
0.2689

50.0102, 0.2783,
0.2387

78.1342, 0.3014,
0.2972

39.1120, 0.2645,
0.2075

95.5608, 0.3107,
0.3232

30.1759, 0.2497,
0.1764

99.9997, 0.3127,
0.3290

23.0781, 0.2342,
0.1470

■ 17.6803, 0.2188,
0.1211

■ 13.8237, 0.2044,
0.1003

■ 11.3171, 0.1916,
0.0857

■ 10.0982, 0.1831,
0.0783

Harmonies

Analogous

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



62.9803, 0.2588, 0.2653



62.9803, 0.2906, 0.2689



62.9803, 0.3304, 0.2861

Triad

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



62.9803, 0.2906, 0.2689



62.9803, 0.3886, 0.3756



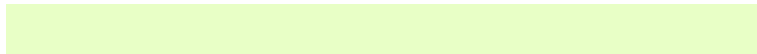
62.9803, 0.2598, 0.3425

Complementary

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



62.9803, 0.2906, 0.2689



92.7489, 0.3313, 0.3879

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.



62.9803, 0.2920, 0.3784



62.9803, 0.2906, 0.2689



62.9803, 0.3668, 0.3962

Square

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



62.9803, 0.2906, 0.2689



62.9803, 0.3891, 0.3453



62.9803, 0.3312, 0.3985



62.9803, 0.2420, 0.3049

Rectangle

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



62.9803, 0.2906, 0.2689



62.9803, 0.3561, 0.3035



62.9803, 0.3312, 0.3985



62.9803, 0.2692, 0.3554

Sweetspot

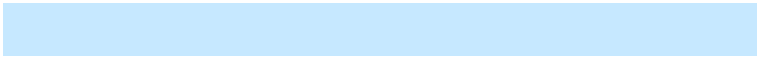
The Sweet Spot groups the original color and five complimentary colors.



62.9829, 0.2906, 0.2689



87.1718, 0.3066, 0.3114



77.0512, 0.2776, 0.3045



18.4331, 0.3060, 0.3099



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.



62.9829, 0.2906, 0.2689



56.6878, 0.2851, 0.2551



67.8041, 0.3111, 0.2725



17.7355, 0.3042, 0.3049



5.3582, 0.1848, 0.0792



0.5834, 0.1974, 0.0861

Inverse Universe

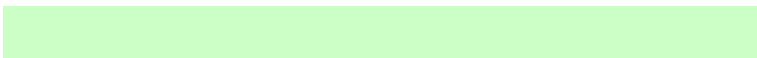
The Inverse Universe completely reimagines the original color for something new.



67.4751, 0.3321, 0.2949



61.9988, 0.3372, 0.2875



88.3897, 0.3133, 0.3912



18.1690, 0.3200, 0.3149



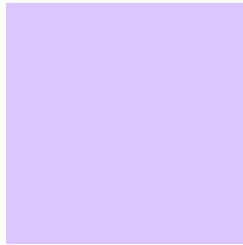
12.3251, 0.4559, 0.2285



1.2217, 0.4362, 0.2177

Previews

White Background



This preview shows how the Yxy color 62.9803, 0.2906, 0.2689 looks on a white background.

Color Contrast Check

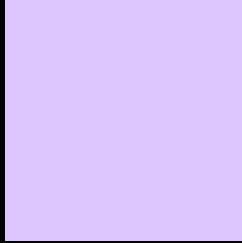
Large Text (above 18pt) WCAG AA × Fail

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 62.9803, 0.2906, 0.2689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

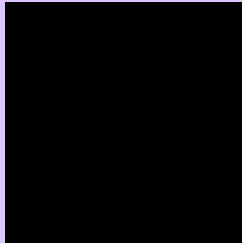
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.9803, 0.2906, 0.2689

Background



This preview shows how black text looks on a background with the Yxy color 62.9803, 0.2906, 0.2689.

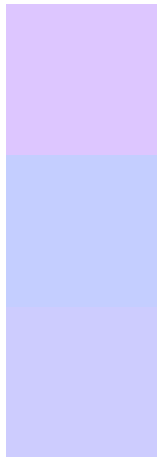


This preview shows how white text looks on a background with the Yxy color 62.9803, 0.2906, 0.2689.

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

62.9803, 0.2906, 0.2689

Protanopia

63.0984, 0.2741, 0.2750

Deuteranopia

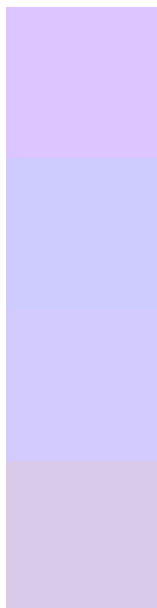
63.3206, 0.2804, 0.2746



Tritanopia

62.8001, 0.3098, 0.3111

Trichromacy



Original Color

62.9803, 0.2906, 0.2689

Protanomaly

62.9110, 0.2798, 0.2725

Deuteranomaly

63.2457, 0.2844, 0.2731

Tritanomaly

62.8760, 0.3023, 0.2950

Monochromacy



Original Color

62.9803, 0.2906, 0.2689

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.1357, 0.3049, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9803, 0.2906, 0.2689 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(221, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 198, 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(221, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.9803, 0.2906, 0.2689 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(221, 198, 255) }
```

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

```
.border{ border-color:rgb(221, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9803, 0.2906, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 198, 255) }
```

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

```
.background{ background-color: rgb(221,  
198, 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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