

Converting Colors

$Y_{xy}(70.6279, 0.2904, 0.2862)$

Have a look what the booklet for
Yxy(70.6279, 0.2904, 0.2862)
contains.

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Color

Yxy(70.5288, 0.2904, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	DCD6FF
RGB	220, 214, 255
RGB Percent	86%, 84%, 100%
CMY	0.1372, 0.1608, 0.0000
CMYK	0.14, 0.16, 0.00, 0.00
HSL	249°, 100%, 92%
HSV	249°, 16%, 100%
XYZ	71.6139, 70.5288, 104.4615
YIQ	220.4680, -9.5850, 14.0230

Conversions

Conversions Part 2

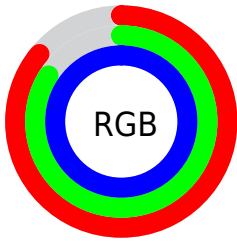
Format	Color
R _Y B	220, 214, 255
Decimal	14472959
CIE Lab	87.26, 9.91, -19.23
CIE LCh	87, 21.632, 297.266
Yxy	70.5288, 0.2904, 0.2860
Android (android.graphics.Color)	4292663039 (0xFFD6CD6FF)
YUV	220.4680, 17.0243, -0.4104
Hunter-Lab	83.9814, 5.2456, -14.9617

Details

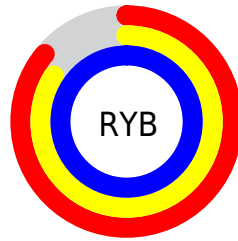
The Yxy color **70.5288, 0.2904, 0.2860** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.5152, 0.3330, 0.3696**, and the grayscale version is **71.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8728, 0.2854, 0.2762** is the 20% darker color. If you saturate the color by 10%, you get **55.4391, 0.2740, 0.2554**, and if you desaturate by 10%, it is **88.0846, 0.3049, 0.3137**.

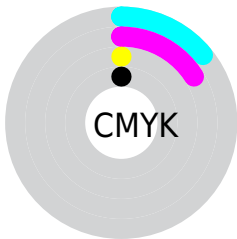
Distribution



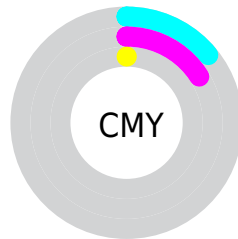
- Red (86%)
- Green (84%)
- Blue (100%)



- Red (86%)
- Yellow (84%)
- Blue (100%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5288, 0.2904, 0.2860 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 70.5288, 0.2904, 0.2860 by changing the saturation by 10% instead.

70.5288, 0.2904,
0.2860

70.5288, 0.2904,
0.2860

462.4045, 0.3009,
0.3055

51.9578, 0.2880,
0.2816

119.9626, 0.2941,
0.2927

36.9714, 0.2850,
0.2763

151.5940, 0.2955,
0.2953

25.1853, 0.2812,
0.2697

188.3478, 0.2967,
0.2976

16.2152, 0.2762,
0.2611

230.6082, 0.2977,
0.2996

9.6766, 0.2694,
0.2497

278.7597, 0.2987,
0.3013

5.1850, 0.2596,
0.2338

333.1867, 0.2995,

2.3562, 0.2443,

0.3029

0.2103

394.2735, 0.3002,
0.3043

■ 0.8032, 0.2180,
0.1723

■ 0.0000, 0.0000,
0.0000

■ 70.5288, 0.2904,
0.2860

■ 70.5288, 0.2904,
0.2860

■ 55.4391, 0.2740,
0.2554

■ 88.0846, 0.3049,
0.3137

■ 42.6997, 0.2559,
0.2223

100.0000, 0.3127,
0.3290

■ 32.1931, 0.2364,
0.1878

■ 23.7895, 0.2165,
0.1537

■ 17.3459, 0.1974,
0.1223

■ 12.7009, 0.1804,
0.0959

■ 9.6672, 0.1668,
0.0767

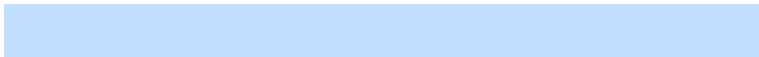
■ 8.0145, 0.1575,
0.0655

■ 7.6191, 0.1549,
0.0627

Harmonies

Analogous

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



70.5288, 0.2713, 0.2874



70.5288, 0.2904, 0.2860



70.5288, 0.3162, 0.2950

Triad

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



70.5288, 0.2904, 0.2860



70.5288, 0.3649, 0.3552



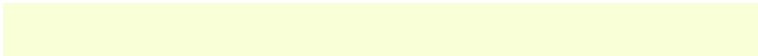
70.5288, 0.2834, 0.3462

Complementary

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



70.5288, 0.2904, 0.2860



96.5152, 0.3330, 0.3696

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.



70.5288, 0.3076, 0.3668



70.5288, 0.2904, 0.2860



70.5288, 0.3551, 0.3710

Square

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



70.5288, 0.2904, 0.2860



70.5288, 0.3602, 0.3338



70.5288, 0.3338, 0.3758



70.5288, 0.2674, 0.3212

Rectangle

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



70.5288, 0.2904, 0.2860



70.5288, 0.3339, 0.3057



70.5288, 0.3338, 0.3758



70.5288, 0.2908, 0.3539

Sweetspot

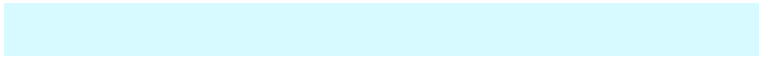
The Sweet Spot groups the original color and five complimentary colors.



70.5305, 0.2904, 0.2860



90.1270, 0.3063, 0.3165



89.5984, 0.2880, 0.3233



19.0050, 0.3054, 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.



70.5305, 0.2904, 0.2860



65.8698, 0.2858, 0.2774



73.8343, 0.3041, 0.2877



17.5052, 0.3001, 0.3046



4.0192, 0.1558, 0.0632



0.4275, 0.1642, 0.0678

Inverse Universe

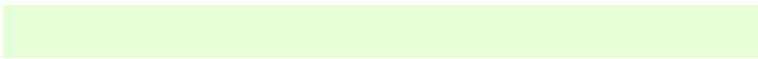
The Inverse Universe completely reimagines the original color for something new.



76.1943, 0.3186, 0.2947



72.4397, 0.3198, 0.2883



93.0390, 0.3201, 0.3712



18.2520, 0.3161, 0.3089



13.7627, 0.3618, 0.1767



1.3520, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 70.5288, 0.2904, 0.2860 looks on a white background.

Color Contrast Check

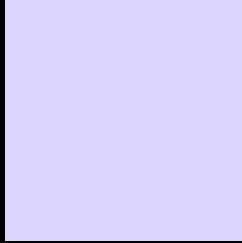
Large Text (above 18pt) WCAG AA × Fail

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 70.5288, 0.2904, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

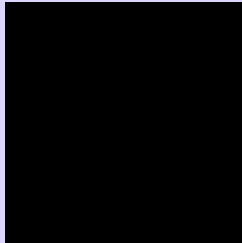
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5288, 0.2904, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 70.5288, 0.2904, 0.2860.

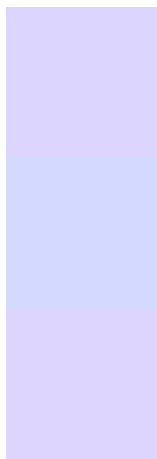


This preview shows how white text looks on a background with the Yxy color 70.5288, 0.2904, 0.2860.

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

70.5288, 0.2904, 0.2860

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

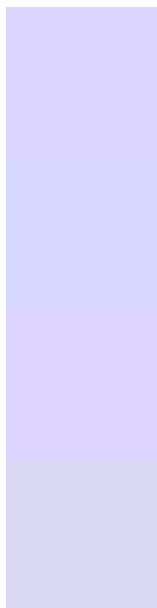
70.3381, 0.2917, 0.2851



Tritanopia

70.3756, 0.3009, 0.3095

Trichromacy



Original Color

70.5288, 0.2904, 0.2860

Protanomaly

70.6279, 0.2865, 0.2877

Deuteranomaly

70.1807, 0.2911, 0.2850

Tritanomaly

70.4280, 0.2972, 0.3012

Monochromacy



Original Color

70.5288, 0.2904, 0.2860

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.2416, 0.3043, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5288, 0.2904, 0.2860 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(220, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 214, 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(220, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.5288, 0.2904, 0.2860 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(220, 214, 255) }
```

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

```
.border{ border-color:rgb(220, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5288, 0.2904, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 214, 255) }
```

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

```
.background{ background-color: rgb(220,  
214, 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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