

Converting Colors

$Y_{xy}(70.1015, 0.2814, 0.2745)$

Have a look what the booklet for
Yxy(70.1015, 0.2814, 0.2745)
contains.

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Color

Yxy(69.4074, 0.2877, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	D8D5FF
RGB	216, 213, 255
RGB Percent	85%, 84%, 100%
CMY	0.1529, 0.1647, 0.0000
CMYK	0.15, 0.16, 0.00, 0.00
HSL	244°, 100%, 92%
HSV	244°, 16%, 100%
XYZ	70.1634, 69.4074, 104.3062
YIQ	218.6850, -11.6940, 13.6980

Conversions

Conversions Part 2

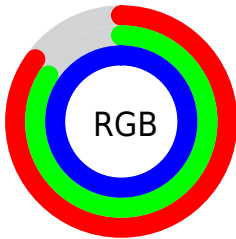
Format	Color
R _Y B	216, 213, 255
Decimal	14210559
CIE Lab	86.71, 9.19, -20.08
CIE LCh	87, 22.082, 294.590
Yxy	69.4074, 0.2877, 0.2846
Android (android.graphics.Color)	4292400639 (0xFFD8D5FF)
YUV	218.6850, 17.9033, -2.3547
Hunter-Lab	83.3111, 4.5357, -15.9138

Details

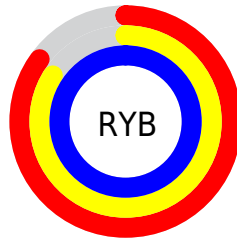
The Yxy color **69.4074, 0.2877, 0.2846** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97.0198, 0.3356, 0.3703**, and the grayscale version is **70.4906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1080, 0.2819, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **54.2240, 0.2698, 0.2534**, and if you desaturate by 10%, it is **87.1329, 0.3035, 0.3126**.

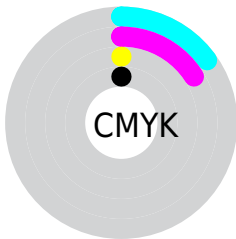
Distribution



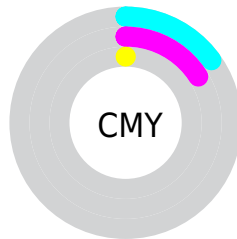
- Red (85%)
- Green (84%)
- Blue (100%)



- Red (85%)
- Yellow (84%)
- Blue (100%)



- Cyan (15%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4074, 0.2877, 0.2846 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 69.4074, 0.2877, 0.2846 by changing the saturation by 10% instead.

69.4074, 0.2877,
0.2846

69.4074, 0.2877,
0.2846

458.4665, 0.2994,
0.3048

51.0436, 0.2850,
0.2801

118.3633, 0.2918,
0.2915

36.2433, 0.2816,
0.2745

149.7241, 0.2934,
0.2943

24.6221, 0.2774,
0.2676

186.1861, 0.2947,
0.2966

15.7958, 0.2718,
0.2587

228.1335, 0.2959,
0.2987

9.3797, 0.2642,
0.2468

275.9509, 0.2970,
0.3005

4.9897, 0.2532,
0.2302

330.0226, 0.2979,

2.2412, 0.2362,

0.3021

0.2056

390.7330, 0.2987,
0.3035

0.7423, 0.2072,
0.1649

0.0000, 0.0000,
0.0000

69.4074, 0.2877,
0.2846

69.4074, 0.2877,
0.2846

54.2240, 0.2698,
0.2534

87.1329, 0.3035,
0.3126

41.4582, 0.2503,
0.2195

100.0000, 0.3127,
0.3290

30.9876, 0.2296,
0.1843

22.6757, 0.2088,
0.1495

■ 16.3718, 0.1893,
0.1177

■ 11.9054, 0.1728,
0.0915

■ 9.0777, 0.1606,
0.0730

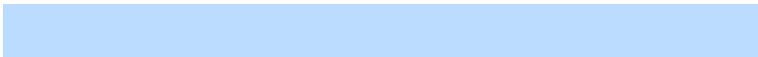
■ 7.6427, 0.1532,
0.0630

■ 7.3507, 0.1516,
0.0609

Harmonies

Analogous

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



69.4074, 0.2690, 0.2870



69.4074, 0.2877, 0.2846



69.4074, 0.3138, 0.2930

Triad

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



69.4074, 0.2877, 0.2846



69.4074, 0.3665, 0.3540



69.4074, 0.2846, 0.3488

Complementary

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



69.4074, 0.2877, 0.2846



97.0198, 0.3356, 0.3703

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.



69.4074, 0.3098, 0.3692



69.4074, 0.2877, 0.2846



69.4074, 0.3576, 0.3710

Square

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



69.4074, 0.2877, 0.2846



69.4074, 0.3603, 0.3318



69.4074, 0.3366, 0.3772



69.4074, 0.2672, 0.3232

Rectangle

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



69.4074, 0.2877, 0.2846



69.4074, 0.3321, 0.3035



69.4074, 0.3366, 0.3772



69.4074, 0.2924, 0.3566

Sweetspot

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



69.4102, 0.2877, 0.2846



89.9565, 0.3057, 0.3165



91.1135, 0.2876, 0.3261



18.9637, 0.3047, 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.



69.4102, 0.2877, 0.2846



63.7639, 0.2816, 0.2739



72.7811, 0.3019, 0.2864



17.4397, 0.2990, 0.3045



3.8633, 0.1521, 0.0612



0.3967, 0.1570, 0.0639

Inverse Universe

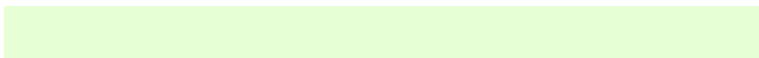
The Inverse Universe completely reimagines the original color for something new.



75.8790, 0.3167, 0.2909



71.4333, 0.3176, 0.2825



93.3469, 0.3221, 0.3721



18.2767, 0.3149, 0.3072



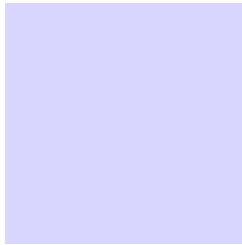
14.3067, 0.3397, 0.1645



1.3994, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 69.4074, 0.2877, 0.2846 looks on a white background.

Color Contrast Check

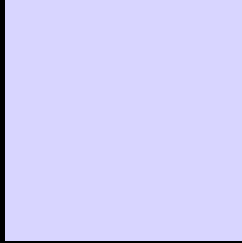
Large Text (above 18pt) WCAG AA × Fail

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 69.4074, 0.2877, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

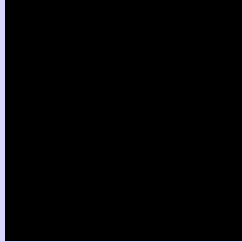
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4074, 0.2877, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 69.4074, 0.2877, 0.2846.

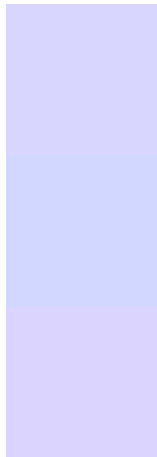


This preview shows how white text looks on a background with the Yxy color 69.4074, 0.2877, 0.2846.

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

69.4074, 0.2877, 0.2846

Protanopia

69.3762, 0.2832, 0.2862

Deuteranopia

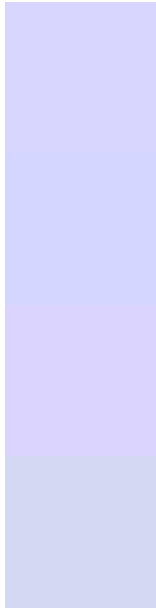
69.3670, 0.2897, 0.2838



Tritanopia

69.5633, 0.2981, 0.3104

Trichromacy



Original Color

69.4074, 0.2877, 0.2846

Protanomaly

69.3102, 0.2851, 0.2854

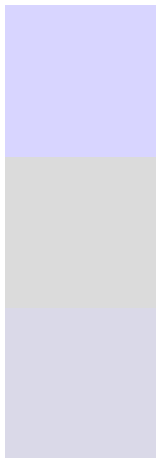
Deuteranomaly

69.2124, 0.2890, 0.2837

Tritanomaly

69.6687, 0.2938, 0.3009

Monochromacy



Original Color

69.4074, 0.2877, 0.2846

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.3573, 0.3036, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4074, 0.2877, 0.2846 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(216, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 213, 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(216, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.4074, 0.2877, 0.2846 is called "border". The border property can be set on classes, ids or directly on the HTML element.

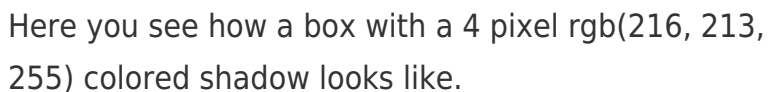
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 213, 255) }
```

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

```
.border{ border-color:rgb(216, 213, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 213, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 213, 255); box-shadow:4px 4px 4px 4px rgb(216, 213, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4074, 0.2877, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 213, 255) }
```

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

```
.background{ background-color: rgb(216,  
213, 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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