

Converting Colors

$Y_{xy}(70.6402, 0.2962, 0.2931)$

Have a look what the booklet for
Yxy(70.6402, 0.2962, 0.2931)
contains.

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Color

Yxy(70.4000, 0.2961, 0.2931)

Conversions

Conversions Part 1

Format	Color
Hex	DED6F8
RGB	222, 214, 248
RGB Percent	87%, 84%, 97%
CMY	0.1294, 0.1608, 0.0273
CMYK	0.10, 0.14, 0.00, 0.03
HSL	254°, 71%, 91%
HSV	254°, 14%, 97%
XYZ	71.1206, 70.4000, 98.6705
YIQ	220.2680, -6.1460, 12.2700

Conversions

Conversions Part 2

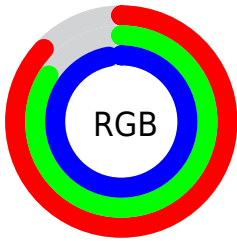
Format	Color
R _Y B	222, 214, 248
Decimal	14604024
CIE Lab	87.19, 9.13, -15.62
CIE LCh	87, 18.097, 300.314
Yxy	70.4000, 0.2961, 0.2931
Android (android.graphics.Color)	4292794104 (0xFFDED6F8)
YUV	220.2680, 13.6719, 1.5190
Hunter-Lab	83.9047, 4.4696, -10.9907

Details

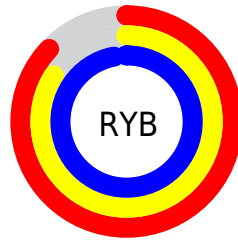
The Yxy color **70.4000, 0.2961, 0.2931** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.5357, 0.3280, 0.3636**, and the grayscale version is **71.6768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8175, 0.2919, 0.2840** is the 20% darker color. If you saturate the color by 10%, you get **55.9623, 0.2819, 0.2636**, and if you desaturate by 10%, it is **87.0917, 0.3085, 0.3198**.

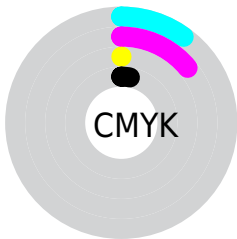
Distribution



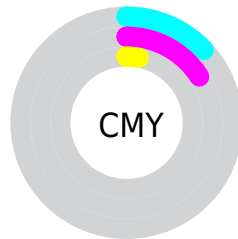
- Red (87%)
- Green (84%)
- Blue (97%)



- Red (87%)
- Yellow (84%)
- Blue (97%)



- Cyan (10%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4000, 0.2961, 0.2931 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 70.4000, 0.2961, 0.2931 by changing the saturation by 10% instead.

70.4000, 0.2961,
0.2931

70.4000, 0.2961,
0.2931

461.9532, 0.3039,
0.3095

51.8527, 0.2943,
0.2894

119.7790, 0.2988,
0.2987

36.8877, 0.2920,
0.2849

151.3795, 0.2999,
0.3009

25.1205, 0.2892,
0.2793

188.0999, 0.3008,
0.3028

16.1669, 0.2854,
0.2720

230.3244, 0.3016,
0.3045

9.6423, 0.2802,
0.2622

278.4377, 0.3023,
0.3060

5.1625, 0.2726,
0.2484

332.8240, 0.3029,

2.3429, 0.2607,

0.3073

0.2278

393.8677, 0.3034,
0.3084

0.7963, 0.2394,
0.1931

0.0000, 0.0000,
0.0000

70.4000, 0.2961,
0.2931

70.4000, 0.2961,
0.2931

55.9623, 0.2819,
0.2636

87.0917, 0.3085,
0.3198

43.6726, 0.2659,
0.2318

99.5592, 0.3167,
0.3357

33.4292, 0.2484,
0.1986

25.1189, 0.2300,
0.1654

■ 18.6172, 0.2116,
0.1341

■ 13.7847, 0.1943,
0.1068

■ 10.4609, 0.1792,
0.0857

■ 8.4519, 0.1674,
0.0719

■ 7.6918, 0.1617,
0.0665

Harmonies

Analogous

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



70.4000, 0.2792, 0.2935



70.4000, 0.2961, 0.2931



70.4000, 0.3180, 0.3015

Triad

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



70.4000, 0.2961, 0.2931



70.4000, 0.3561, 0.3529



70.4000, 0.2864, 0.3413

Complementary

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



70.4000, 0.2961, 0.2931



90.5357, 0.3280, 0.3636

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.



70.4000, 0.3063, 0.3590



70.4000, 0.2961, 0.2931



70.4000, 0.3468, 0.3651

Square

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



70.4000, 0.2961, 0.2931



70.4000, 0.3533, 0.3351



70.4000, 0.3284, 0.3677



70.4000, 0.2737, 0.3206

Rectangle

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



70.4000, 0.2961, 0.2931



70.4000, 0.3326, 0.3110



70.4000, 0.3284, 0.3677



70.4000, 0.2924, 0.3479

Sweetspot

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



70.4030, 0.2961, 0.2931



92.2150, 0.3082, 0.3191



83.4476, 0.2915, 0.3206



19.4340, 0.3073, 0.3172



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.



70.4030, 0.2961, 0.2931



71.2317, 0.2930, 0.2866



73.2138, 0.3079, 0.2944



16.8403, 0.3016, 0.3047



4.2067, 0.1629, 0.0671



0.4358, 0.1742, 0.0733

Inverse Universe

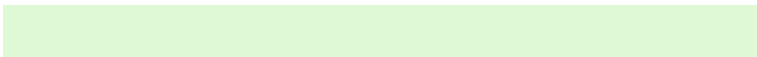
The Inverse Universe completely reimagines the original color for something new.



74.3458, 0.3197, 0.3028



76.0707, 0.3211, 0.2983



87.7078, 0.3168, 0.3648



17.4505, 0.3174, 0.3110



12.8016, 0.3913, 0.1929



1.2019, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 70.4000, 0.2961, 0.2931 looks on a white background.

Color Contrast Check

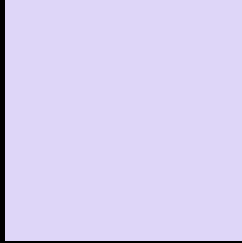
Large Text (above 18pt) WCAG AA × Fail

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 70.4000, 0.2961, 0.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

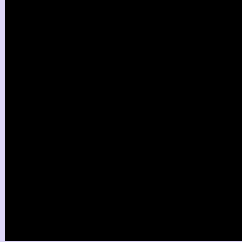
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4000, 0.2961, 0.2931

Background



This preview shows how black text looks on a background with the Yxy color 70.4000, 0.2961, 0.2931.

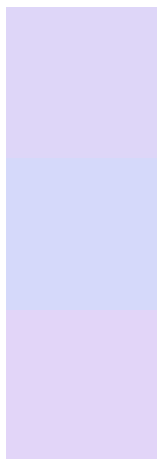


This preview shows how white text looks on a background with the Yxy color 70.4000, 0.2961, 0.2931.

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

70.4000, 0.2961, 0.2931

Protanopia

70.6740, 0.2889, 0.2937

Deuteranopia

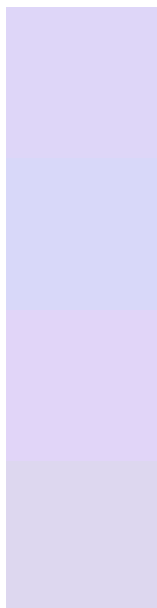
70.5346, 0.2989, 0.2924



Tritanopia

70.2679, 0.3037, 0.3096

Trichromacy



Original Color

70.4000, 0.2961, 0.2931

Protanomaly

70.5502, 0.2915, 0.2939

Deuteranomaly

70.3734, 0.2982, 0.2923

Tritanomaly

70.2050, 0.3012, 0.3033

Monochromacy



Original Color

70.4000, 0.2961, 0.2931

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.2281, 0.3069, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4000, 0.2961, 0.2931 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(222, 214, 248)` looks like.

```
.text, #text, p{  
    color:rgb(222, 214, 248)  
}
```

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(222, 214, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 214, 248) }
```

Border

The CSS property to change the border of an element to Yxy 70.4000, 0.2961, 0.2931 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(222, 214, 248) }
```

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

```
.border{ border-color:rgb(222, 214, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 214, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 214, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 214, 248); box-shadow:4px 4px 4px 4px rgb(222, 214, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4000, 0.2961, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 214, 248) }
```

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

```
.background{ background-color: rgb(222,  
214, 248) }
```

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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