

Converting Colors

Yxy(66.6419, 0.2866, 0.2858)

Have a look what the booklet for
Yxy(66.6419, 0.2866, 0.2858)
contains.

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Color

Yxy(66.6970, 0.2866, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	D2D2FA
RGB	210, 210, 250
RGB Percent	82%, 82%, 98%
CMY	0.1764, 0.1765, 0.0196
CMYK	0.16, 0.16, 0.00, 0.02
HSL	240°, 80%, 90%
HSV	240°, 16%, 98%
XYZ	66.8837, 66.6970, 99.7888
YIQ	214.5600, -12.8400, 12.4400

Conversions

Conversions Part 2

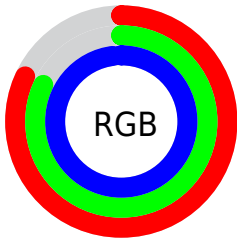
Format	Color
R _Y B	210, 210, 250
Decimal	13816570
CIE Lab	85.35, 7.87, -19.53
CIE LCh	85, 21.055, 291.963
Yxy	66.6970, 0.2866, 0.2858
Android (android.graphics.Color)	4292006650 (0xFFD2D2FA)
YUV	214.5600, 17.4719, -3.9991
Hunter-Lab	81.6682, 3.2664, -15.2775

Details

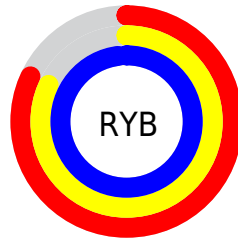
The Yxy color $66.6970, 0.2866, 0.2858$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.3433, 0.3368, 0.3688$, and the grayscale version is $67.5319, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.5958, 0.2805, 0.2770$ is the 20% darker color. If you saturate the color by 10%, you get $51.9184, 0.2676, 0.2544$, and if you desaturate by 10%, it is $83.9819, 0.3036, 0.3139$.

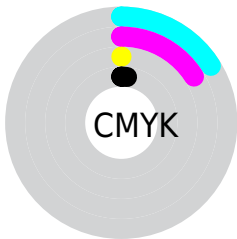
Distribution



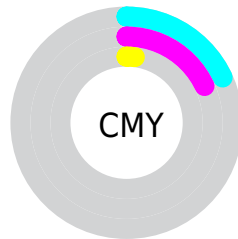
- Red (82%)
- Green (82%)
- Blue (98%)



- Red (82%)
- Yellow (82%)
- Blue (98%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6970, 0.2866, 0.2858 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 66.6970, 0.2866, 0.2858 by changing the saturation by 10% instead.

■ 66.6970, 0.2866,
0.2858

■ 66.6970, 0.2866,
0.2858

■ 448.8655, 0.2989,
0.3056

■ 48.8384, 0.2837,
0.2813

■ 114.4861, 0.2909,
0.2926

■ 34.4913, 0.2802,
0.2758

■ 145.1855, 0.2926,
0.2953

■ 23.2713, 0.2757,
0.2689

■ 180.9339, 0.2940,
0.2976

■ 14.7940, 0.2697,
0.2599

■ 222.1157, 0.2952,
0.2996

■ 8.6749, 0.2616,
0.2478

■ 269.1154, 0.2963,
0.3014

■ 4.5298, 0.2497,
0.2308

■ 322.3174, 0.2973,

■ 1.9741, 0.2312,

0.3030

382.1059, 0.2981,
0.3044

0.2052

0.5924, 0.1997,
0.1567

0.0000, 0.0000,
0.0000

66.6970, 0.2866,
0.2858

66.6970, 0.2866,
0.2858

51.9184, 0.2676,
0.2544

83.9819, 0.3036,
0.3139

39.5220, 0.2469,
0.2201

99.6820, 0.3156,
0.3338

29.3859, 0.2252,
0.1842

21.3736, 0.2037,
0.1488

■ 15.3344, 0.1842,
0.1164

■ 11.0975, 0.1682,
0.0900

■ 8.4634, 0.1571,
0.0717

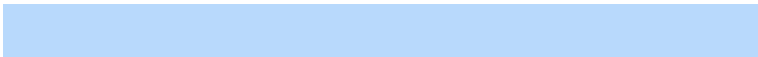
■ 7.1845, 0.1513,
0.0622

■ 6.9029, 0.1500,
0.0600

Harmonies

Analogous

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



66.6970, 0.2693, 0.2892



66.6970, 0.2866, 0.2858



66.6970, 0.3114, 0.2930

Triad

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



66.6970, 0.2866, 0.2858



66.6970, 0.3647, 0.3515



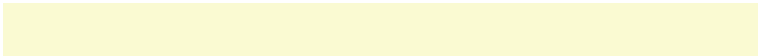
66.6970, 0.2874, 0.3502

Complementary

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



66.6970, 0.2866, 0.2858



93.3433, 0.3368, 0.3688

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.



66.6970, 0.3123, 0.3690



66.6970, 0.2866, 0.2858



66.6970, 0.3574, 0.3685

Square

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



66.6970, 0.2866, 0.2858



66.6970, 0.3574, 0.3298



66.6970, 0.3380, 0.3755



66.6970, 0.2698, 0.3256

Rectangle

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



66.6970, 0.2866, 0.2858



66.6970, 0.3292, 0.3028



66.6970, 0.3380, 0.3755



66.6970, 0.2952, 0.3575

Sweetspot

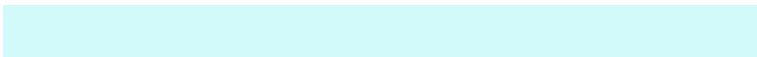
The Sweet Spot groups the original color and five complimentary colors.



66.6998, 0.2866, 0.2858



89.7959, 0.3051, 0.3165



88.9739, 0.2884, 0.3289



18.9249, 0.3040, 0.3146



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.



66.6998, 0.2866, 0.2858



64.8321, 0.2811, 0.2766



69.8180, 0.3004, 0.2875



16.6435, 0.2979, 0.3045



3.6617, 0.1500, 0.0600



0.3393, 0.1501, 0.0600

Inverse Universe

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



73.3176, 0.3146, 0.2893



72.8863, 0.3150, 0.2817



89.8462, 0.3235, 0.3705



17.5244, 0.3138, 0.3057



14.4374, 0.3210, 0.1542



1.3372, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 66.6970, 0.2866, 0.2858 looks on a white background.

Color Contrast Check

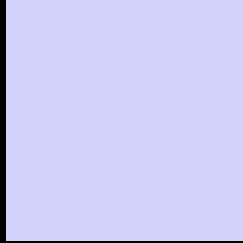
Large Text (above 18pt) WCAG AA × Fail

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 66.6970, 0.2866, 0.2858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

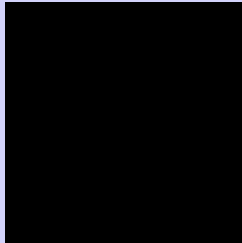
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6970, 0.2866, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 66.6970, 0.2866, 0.2858.



This preview shows how white text looks on a background with the Yxy color 66.6970, 0.2866, 0.2858.

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

66.6970, 0.2866, 0.2858

Protanopia

66.5327, 0.2827, 0.2855

Deuteranopia

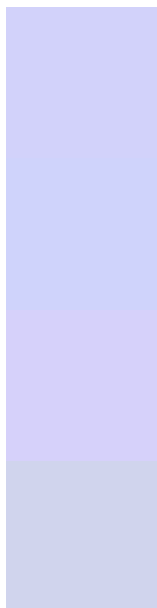
66.6128, 0.2906, 0.2841



Tritanopia

66.5671, 0.2972, 0.3100

Trichromacy



Original Color

66.6970, 0.2866, 0.2858

Protanomaly

66.8190, 0.2840, 0.2856

Deuteranomaly

66.7992, 0.2893, 0.2850

Tritanomaly

66.6113, 0.2934, 0.3014

Monochromacy



Original Color

66.6970, 0.2866, 0.2858

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.3361, 0.3027, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6970, 0.2866, 0.2858 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(210, 210, 250)` looks like.

```
.text, #text, p{  
    color:rgb(210, 210, 250)  
}
```

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(210, 210, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 210, 250) }
```

Border

The CSS property to change the border of an element to Yxy 66.6970, 0.2866, 0.2858 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(210, 210, 250) }
```

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

```
.border{ border-color:rgb(210, 210, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 210, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 210, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 210, 250);  
box-shadow:4px 4px 4px 4px rgb(210, 210,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6970, 0.2866, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 210, 250) }
```

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

```
.background{ background-color: rgb(210,  
210, 250) }
```

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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