

Converting Colors

$Yxy(68.7301, 0.2802, 0.2862)$

Have a look what the booklet for
Yxy(68.7301, 0.2802, 0.2862)
contains.

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Color

Yxy(68.6582, 0.2800, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	CCD7FF
RGB	204, 215, 255
RGB Percent	80%, 84%, 100%
CMY	0.1997, 0.1569, 0.0000
CMYK	0.20, 0.16, 0.00, 0.00
HSL	227°, 100%, 90%
HSV	227°, 20%, 100%
XYZ	67.2649, 68.6582, 104.3086
YIQ	216.2710, -19.3960, 10.1080

Conversions

Conversions Part 2

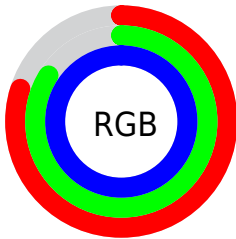
Format	Color
R_{YB}	204, 213, 255
Decimal	13424639
CIE _{Lab}	86.33, 4.48, -20.72
CIE _{LCh}	86, 21.198, 282.193
Yxy	68.6582, 0.2800, 0.2858
Android (android.graphics.Color)	4291614719 (0xFFCCD7FF)
YUV	216.2710, 19.0934, -10.7617
Hunter-Lab	82.8602, -0.1015, -16.6350

Details

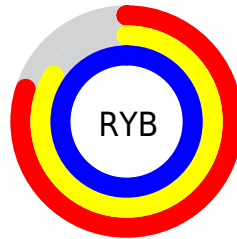
The Yxy color **68.6582, 0.2800, 0.2858** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.3691, 0.3449, 0.3688**, and the grayscale version is **68.7491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6084, 0.2721, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **55.7619, 0.2616, 0.2603**, and if you desaturate by 10%, it is **83.3992, 0.2971, 0.3087**.

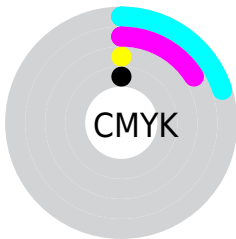
Distribution



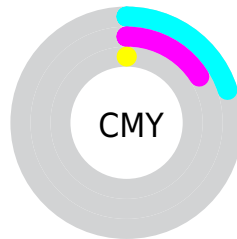
- Red (80%)
- Green (84%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6582, 0.2800, 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 68.6582, 0.2800, 0.2858 by changing the saturation by 10% instead.

■ 68.6582, 0.2800,
0.2858

■ 68.6582, 0.2800,
0.2858

455.8245, 0.2952,
0.3056

■ 50.4334, 0.2765,
0.2813

117.2933, 0.2853,
0.2926

■ 35.7579, 0.2722,
0.2758

148.4723, 0.2873,
0.2953

■ 24.2473, 0.2668,
0.2689

184.7382, 0.2891,
0.2976

■ 15.5171, 0.2597,
0.2600

226.4754, 0.2907,
0.2996

■ 9.1831, 0.2500,
0.2480

274.0682, 0.2920,
0.3014

■ 4.8608, 0.2363,
0.2311

327.9011, 0.2932,

■ 2.1658, 0.2152,

0.3030

0.2060

388.3584, 0.2943,
0.3044

0.7013, 0.1802,
0.1629

0.0000, 0.0000,
0.0000

68.6582, 0.2800,
0.2858

68.6582, 0.2800,
0.2858

55.7619, 0.2616,
0.2603

83.3992, 0.2971,
0.3087

44.6282, 0.2424,
0.2326

99.9996, 0.3127,
0.3290

35.1814, 0.2229,
0.2032

27.3365, 0.2041,
0.1733

■ 21.0009, 0.1870,
0.1444

■ 16.0721, 0.1727,
0.1182

■ 12.4331, 0.1621,
0.0962

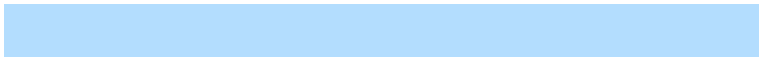
■ 9.9265, 0.1554,
0.0795

■ 9.9205, 0.1554,
0.0795

Harmonies

Analogous

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



68.6582, 0.2661, 0.2927



68.6582, 0.2800, 0.2858



68.6582, 0.3029, 0.2897

Triad

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



68.6582, 0.2800, 0.2858



68.6582, 0.3638, 0.3446



68.6582, 0.2951, 0.3573

Complementary

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



68.6582, 0.2800, 0.2858



90.3691, 0.3449, 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.



68.6582, 0.3209, 0.3725



68.6582, 0.2800, 0.2858



68.6582, 0.3612, 0.3637

Square

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



68.6582, 0.2800, 0.2858



68.6582, 0.3520, 0.3227



68.6582, 0.3452, 0.3745



68.6582, 0.2746, 0.3337

Rectangle

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



68.6582, 0.2800, 0.2858



68.6582, 0.3206, 0.2977



68.6582, 0.3452, 0.3745



68.6582, 0.3034, 0.3636

Sweetspot

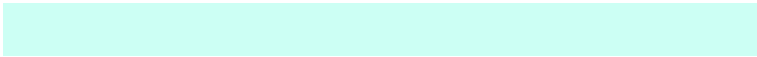
The Sweet Spot groups the original color and five complimentary colors.



68.6610, 0.2800, 0.2858



89.7821, 0.3035, 0.3171



90.8925, 0.2885, 0.3405



18.9880, 0.3025, 0.3158



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.



68.6610, 0.2800, 0.2858



63.2500, 0.2727, 0.2758



65.4206, 0.2890, 0.2752



18.0088, 0.2979, 0.3097



5.3586, 0.1561, 0.0818



0.6725, 0.1615, 0.1014

Inverse Universe

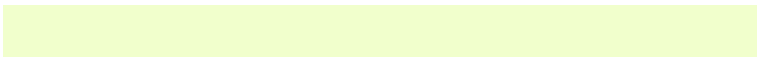
The Inverse Universe completely reimagines the original color for something new.



69.3832, 0.3442, 0.3180



64.2557, 0.3524, 0.3156



94.5034, 0.3334, 0.3805



18.0508, 0.3260, 0.3239



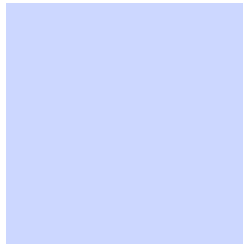
11.2689, 0.6041, 0.3101



1.1124, 0.5737, 0.2934

Previews

White Background



This preview shows how the Yxy color 68.6582, 0.2800, 0.2858 looks on a white background.

Color Contrast Check

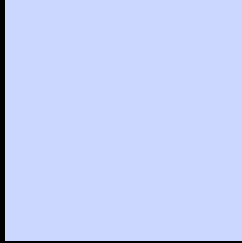
Large Text (above 18pt) WCAG AA × Fail

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 68.6582, 0.2800, 0.2858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

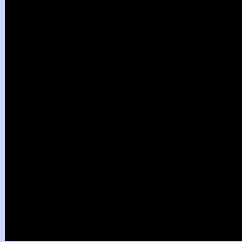
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6582, 0.2800, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 68.6582, 0.2800, 0.2858.

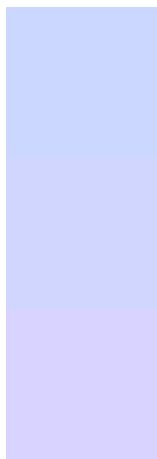


This preview shows how white text looks on a background with the Yxy color 68.6582, 0.2800, 0.2858.

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

68.6582, 0.2800, 0.2858

Protanopia

68.6588, 0.2831, 0.2860

Deuteranopia

68.5602, 0.2883, 0.2825



Tritanopia

68.4783, 0.2888, 0.3089

Trichromacy



Original Color

68.6582, 0.2800, 0.2858

Protanomaly

68.5143, 0.2824, 0.2859

Deuteranomaly

68.3040, 0.2850, 0.2832

Tritanomaly

68.5143, 0.2852, 0.3003

Monochromacy



Original Color

68.6582, 0.2800, 0.2858

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.8220, 0.3007, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6582, 0.2800, 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(204, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 215, 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(204, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.6582, 0.2800, 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(204, 215, 255) }
```

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

```
.border{ border-color:rgb(204, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6582, 0.2800, 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(204, 215, 255) }
```

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

```
.background{ background-color: rgb(204,  
215, 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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