

Converting Colors

$Yxy(69.6273, 0.2804, 0.2893)$

Have a look what the booklet for
Yxy(69.6273, 0.2804, 0.2893)
contains.

Yxy(69.4780, 0.2800, 0.2890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.4780, 0.2800, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	CBD9FE
RGB	203, 217, 254
RGB Percent	80%, 85%, 100%
CMY	0.2042, 0.1489, 0.0040
CMYK	0.20, 0.15, 0.00, 0.00
HSL	223°, 96%, 90%
HSV	223°, 20%, 100%
XYZ	67.3143, 69.4780, 103.6160
YIQ	217.0320, -20.2210, 8.5390

Conversions

Conversions Part 2

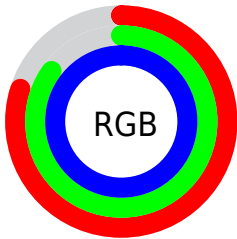
Format	Color
R _Y B	203, 214, 254
Decimal	13359614
CIE Lab	86.74, 2.84, -19.58
CIE LCh	87, 19.788, 278.245
Yxy	69.4780, 0.2800, 0.2890
Android (android.graphics.Color)	4291549694 (0xFFCBD9FE)
YUV	217.0320, 18.2252, -12.3061
Hunter-Lab	83.3535, -1.7161, -15.3555

Details

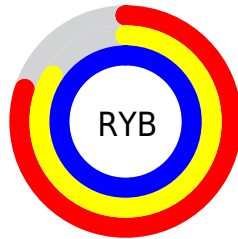
The Yxy color **69.4780, 0.2800, 0.2890** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.6325, 0.3457, 0.3660**, and the grayscale version is **69.2885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1678, 0.2723, 0.2797** is the 20% darker color. If you saturate the color by 10%, you get **57.2458, 0.2620, 0.2656**, and if you desaturate by 10%, it is **83.3560, 0.2969, 0.3101**.

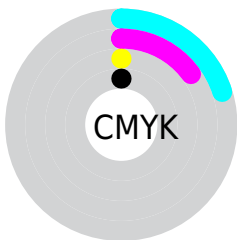
Distribution



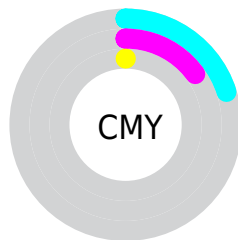
- Red (80%)
- Green (85%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4780, 0.2800, 0.2890 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 69.4780, 0.2800, 0.2890 by changing the saturation by 10% instead.

■ 69.4780, 0.2800,
0.2890

■ 69.4780, 0.2800,
0.2890

458.7150, 0.2952,
0.3074

■ 51.1011, 0.2765,
0.2848

118.4640, 0.2853,
0.2954

■ 36.2891, 0.2723,
0.2797

149.8420, 0.2873,
0.2978

■ 24.6575, 0.2669,
0.2733

186.3224, 0.2891,
0.3000

■ 15.8221, 0.2598,
0.2649

228.2896, 0.2906,
0.3018

■ 9.3983, 0.2503,
0.2537

276.1281, 0.2920,
0.3035

■ 5.0019, 0.2367,
0.2379

330.2222, 0.2932,

■ 2.2484, 0.2161,

0.3049

0.2141

390.9564, 0.2942,
0.3062

0.7462, 0.1815,
0.1739

0.0000, 0.0000,
0.0000

69.4780, 0.2800,
0.2890

69.4780, 0.2800,
0.2890

57.2458, 0.2620,
0.2656

83.3560, 0.2969,
0.3101

46.5880, 0.2434,
0.2400

98.9306, 0.3126,
0.3288

37.4403, 0.2246,
0.2129

99.9349, 0.3133,
0.3300

29.7305, 0.2066,
0.1851

■ 23.3798, 0.1901,
0.1576

■ 18.3012, 0.1763,
0.1319

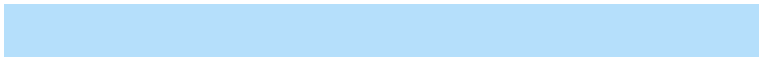
■ 14.3956, 0.1657,
0.1094

■ 11.5504, 0.1587,
0.0913

Harmonies

Analogous

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



69.4780, 0.2684, 0.2969



69.4780, 0.2800, 0.2890



69.4780, 0.3005, 0.2913

Triad

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



69.4780, 0.2800, 0.2890



69.4780, 0.3595, 0.3410



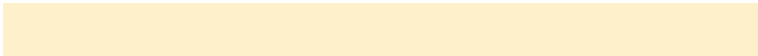
69.4780, 0.2993, 0.3576

Complementary

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



69.4780, 0.2800, 0.2890



87.6325, 0.3457, 0.3660

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.



69.4780, 0.3236, 0.3703



69.4780, 0.2800, 0.2890



69.4780, 0.3589, 0.3594

Square

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



69.4780, 0.2800, 0.2890



69.4780, 0.3469, 0.3206



69.4780, 0.3455, 0.3706



69.4780, 0.2792, 0.3365

Rectangle

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



69.4780, 0.2800, 0.2890



69.4780, 0.3168, 0.2980



69.4780, 0.3455, 0.3706



69.4780, 0.3073, 0.3631

Sweetspot

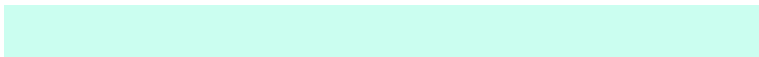
The Sweet Spot groups the original color and five complimentary colors.



69.4808, 0.2800, 0.2890



90.3485, 0.3035, 0.3181



89.8244, 0.2901, 0.3442



19.1215, 0.3025, 0.3168



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.



69.4808, 0.2800, 0.2890



65.1007, 0.2731, 0.2801



64.1290, 0.2865, 0.2744



18.1939, 0.2979, 0.3113



6.3007, 0.1594, 0.0939



0.7871, 0.1654, 0.1154

Inverse Universe

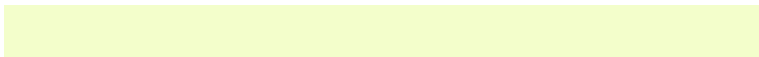
The Inverse Universe completely reimagines the original color for something new.



68.7584, 0.3421, 0.3147



64.4425, 0.3493, 0.3118



94.2246, 0.3358, 0.3805



18.0695, 0.3251, 0.3225



11.3640, 0.5851, 0.2997



1.1240, 0.5532, 0.2821

Previews

White Background



This preview shows how the Yxy color 69.4780, 0.2800, 0.2890 looks on a white background.

Color Contrast Check

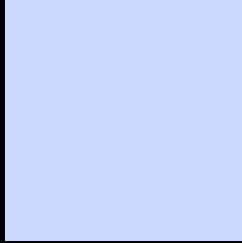
Large Text (above 18pt) WCAG AA × Fail

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 69.4780, 0.2800, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

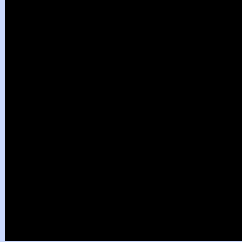
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4780, 0.2800, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 69.4780, 0.2800, 0.2890.

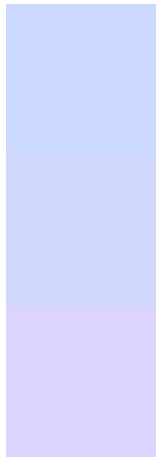


This preview shows how white text looks on a background with the Yxy color 69.4780, 0.2800, 0.2890.

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

69.4780, 0.2800, 0.2890

Protanopia

69.3944, 0.2850, 0.2883

Deuteranopia

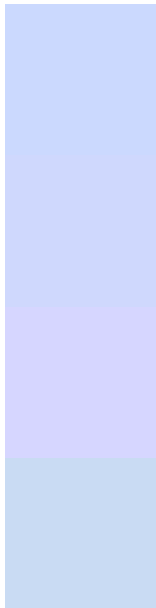
69.5226, 0.2903, 0.2839



Tritanopia

69.5802, 0.2883, 0.3100

Trichromacy



Original Color

69.4780, 0.2800, 0.2890

Protanomaly

69.4690, 0.2831, 0.2892

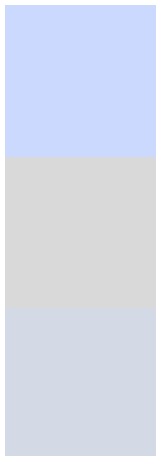
Deuteranomaly

69.6093, 0.2864, 0.2855

Tritanomaly

69.5516, 0.2853, 0.3025

Monochromacy



Original Color

69.4780, 0.2800, 0.2890

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3359, 0.3007, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4780, 0.2800, 0.2890 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(203, 217, 254)` looks like.

```
.text, #text, p{  
    color:rgb(203, 217, 254)  
}
```

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(203, 217, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 217, 254) }
```

Border

The CSS property to change the border of an element to Yxy 69.4780, 0.2800, 0.2890 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(203, 217, 254) }
```

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

```
.border{ border-color:rgb(203, 217, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 217, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 217, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 217, 254);  
box-shadow:4px 4px 4px 4px rgb(203, 217,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4780, 0.2800, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 217, 254) }
```

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

```
.background{ background-color: rgb(203,  
217, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor