

Converting Colors

$Yxy(69.1113, 0.2800, 0.2868)$

Have a look what the booklet for
Yxy(69.1113, 0.2800, 0.2868)
contains.

Yxy(69.1691, 0.2800, 0.2869)	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(69.1691, 0.2800, 0.2869)

Conversions

Conversions Part 1

Format	Color
Hex	CCD8FF
RGB	204, 216, 255
RGB Percent	80%, 85%, 100%
CMY	0.2001, 0.1529, 0.0000
CMYK	0.20, 0.15, 0.00, 0.00
HSL	226°, 100%, 90%
HSV	226°, 20%, 100%
XYZ	67.5056, 69.1691, 104.4167
YIQ	216.8580, -19.6710, 9.5850

Conversions

Conversions Part 2

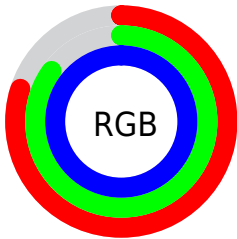
Format	Color
R_{YB}	204, 214, 255
Decimal	13424895
CIE _{Lab}	86.59, 3.92, -20.35
CIE _{LCh}	87, 20.725, 280.893
Yxy	69.1691, 0.2800, 0.2869
Android (android.graphics.Color)	4291614975 (0xFFCCD8FF)
YUV	216.8580, 18.8040, -11.2765
Hunter-Lab	83.1680, -0.6595, -16.2205

Details

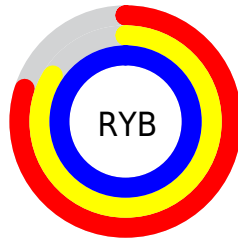
The Yxy color **69.1691, 0.2800, 0.2869** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.7031, 0.3452, 0.3678**, and the grayscale version is **69.1632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9565, 0.2722, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **56.4568, 0.2618, 0.2621**, and if you desaturate by 10%, it is **83.6586, 0.2971, 0.3092**.

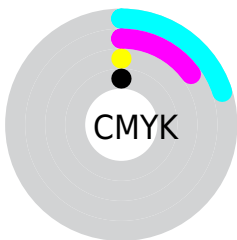
Distribution



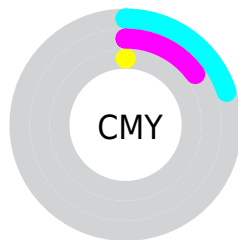
- Red (80%)
- Green (85%)
- Blue (100%)



- 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 69.1691, 0.2800, 0.2869 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 69.1691, 0.2800, 0.2869 by changing the saturation by 10% instead.

■ 69.1691, 0.2800,
0.2869

■ 69.1691, 0.2800,
0.2869

457.6272, 0.2952,
0.3062

■ 50.8494, 0.2765,
0.2825

118.0231, 0.2853,
0.2936

■ 36.0888, 0.2722,
0.2772

149.3262, 0.2873,
0.2962

■ 24.5028, 0.2668,
0.2704

185.7259, 0.2891,
0.2984

■ 15.7070, 0.2598,
0.2617

227.6066, 0.2906,
0.3004

■ 9.3171, 0.2502,
0.2500

275.3526, 0.2920,
0.3021

■ 4.9486, 0.2365,
0.2336

329.3485, 0.2932,

■ 2.2171, 0.2157,

0.3036

0.2090

389.9785, 0.2942,
0.3050

0.7293, 0.1811,
0.1674

0.0000, 0.0000,
0.0000

69.1691, 0.2800,
0.2869

69.1691, 0.2800,
0.2869

56.4568, 0.2618,
0.2621

83.6586, 0.2971,
0.3092

45.4472, 0.2427,
0.2352

99.9867, 0.3127,
0.3290

36.0673, 0.2235,
0.2066

100.0000, 0.3127,
0.3290

28.2364, 0.2049,
0.1774

■ 21.8670, 0.1880,
0.1489

■ 16.8619, 0.1739,
0.1228

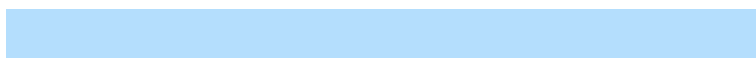
■ 13.1103, 0.1633,
0.1005

■ 10.4640, 0.1565,
0.0832

Harmonies

Analogous

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



69.1691, 0.2669, 0.2942



69.1691, 0.2800, 0.2869



69.1691, 0.3021, 0.2903

Triad

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



69.1691, 0.2800, 0.2869



69.1691, 0.3623, 0.3434



69.1691, 0.2965, 0.3574

Complementary

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



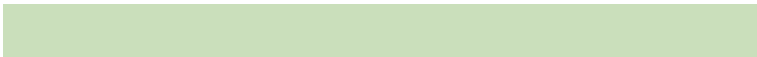
69.1691, 0.2800, 0.2869



89.7031, 0.3452, 0.3678

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.



69.1691, 0.3218, 0.3717



69.1691, 0.2800, 0.2869



69.1691, 0.3604, 0.3622

Square

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



69.1691, 0.2800, 0.2869



69.1691, 0.3502, 0.3220



69.1691, 0.3453, 0.3731



69.1691, 0.2762, 0.3347

Rectangle

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



69.1691, 0.2800, 0.2869



69.1691, 0.3193, 0.2978



69.1691, 0.3453, 0.3731



69.1691, 0.3047, 0.3634

Sweetspot

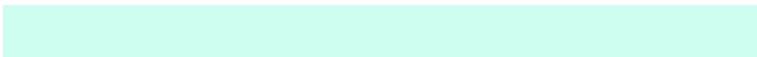
The Sweet Spot groups the original color and five complimentary colors.



69.1706, 0.2800, 0.2869



89.9779, 0.3035, 0.3174



90.7801, 0.2893, 0.3423



19.0342, 0.3025, 0.3161



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.



69.1706, 0.2800, 0.2869



63.8859, 0.2729, 0.2773



65.1076, 0.2878, 0.2749



18.0727, 0.2979, 0.3103



5.6561, 0.1571, 0.0857



0.7098, 0.1628, 0.1061

Inverse Universe

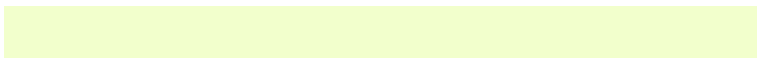
The Inverse Universe completely reimagines the original color for something new.



69.3947, 0.3435, 0.3168



64.3199, 0.3513, 0.3143



94.7993, 0.3345, 0.3804



18.0572, 0.3257, 0.3234



11.2989, 0.5979, 0.3067



1.1162, 0.5668, 0.2896

Previews

White Background



This preview shows how the Yxy color 69.1691, 0.2800, 0.2869 looks on a white background.

Color Contrast Check

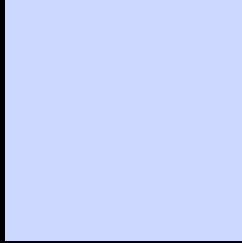
Large Text (above 18pt) WCAG AA × Fail

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 69.1691, 0.2800, 0.2869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

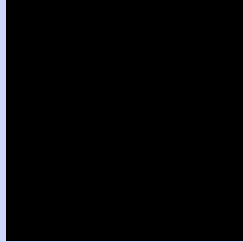
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1691, 0.2800, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 69.1691, 0.2800, 0.2869.

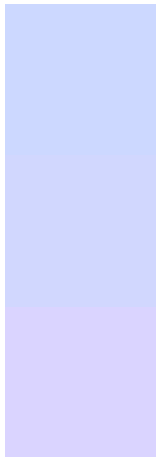


This preview shows how white text looks on a background with the Yxy color 69.1691, 0.2800, 0.2869.

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

69.1691, 0.2800, 0.2869

Protanopia

69.3119, 0.2838, 0.2872

Deuteranopia

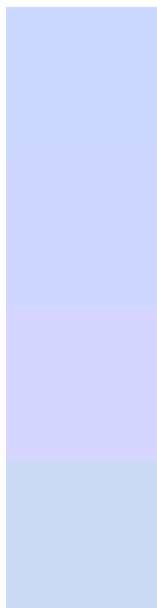
69.2124, 0.2890, 0.2837



Tritanopia

69.1950, 0.2889, 0.3090

Trichromacy



Original Color

69.1691, 0.2800, 0.2869

Protanomaly

69.0220, 0.2825, 0.2871

Deuteranomaly

68.9546, 0.2857, 0.2843

Tritanomaly

69.2310, 0.2853, 0.3004

Monochromacy



Original Color

69.1691, 0.2800, 0.2869

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3923, 0.3000, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1691, 0.2800, 0.2869 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 216, 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, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.1691, 0.2800, 0.2869 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, 216, 255) }
```

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

```
.border{ border-color:rgb(204, 216, 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, 216, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1691, 0.2800, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 216, 255) }
```

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

```
.background{ background-color: rgb(204,  
216, 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](#).

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