

Converting Colors

$Yxy(68.9215, 0.2792, 0.2867)$

Have a look what the booklet for
Yxy(68.9215, 0.2792, 0.2867)
contains.

Yxy(69.0282, 0.2794, 0.2868)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.0282, 0.2794, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	CBD8FF
RGB	203, 216, 255
RGB Percent	80%, 85%, 100%
CMY	0.2037, 0.1530, 0.0000
CMYK	0.20, 0.15, 0.00, 0.00
HSL	225°, 100%, 90%
HSV	225°, 20%, 100%
XYZ	67.2471, 69.0282, 104.4088
YIQ	216.5590, -20.2670, 9.3730

Conversions

Conversions Part 2

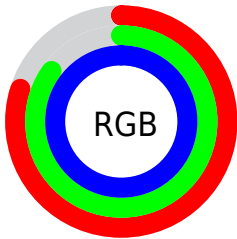
Format	Color
R _Y B	203, 213, 255
Decimal	13359359
CIE Lab	86.52, 3.65, -20.47
CIE LCh	87, 20.789, 280.103
Yxy	69.0282, 0.2794, 0.2868
Android (android.graphics.Color)	4291549439 (0xFFC8D8FF)
YUV	216.5590, 18.9514, -11.8912
Hunter-Lab	83.0832, -0.9186, -16.3501

Details

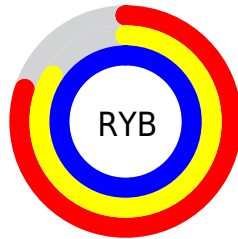
The Yxy color **69.0282, 0.2794, 0.2868** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.1146, 0.3459, 0.3679**, and the grayscale version is **68.9540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.8629, 0.2714, 0.2769** is the 20% darker color. If you saturate the color by 10%, you get **56.4915, 0.2612, 0.2624**, and if you desaturate by 10%, it is **83.2993, 0.2965, 0.3088**.

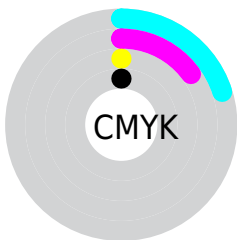
Distribution



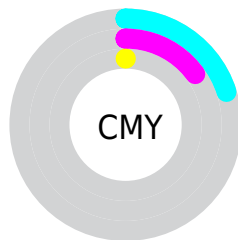
- Red (80%)
- Green (85%)
- Blue (100%)



- 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 69.0282, 0.2794, 0.2868 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 69.0282, 0.2794, 0.2868 by changing the saturation by 10% instead.

■ 69.0282, 0.2794,
0.2868

■ 69.0282, 0.2794,
0.2868

457.1304, 0.2949,
0.3062

■ 50.7347, 0.2759,
0.2824

117.8219, 0.2848,
0.2935

■ 35.9975, 0.2715,
0.2770

149.0908, 0.2869,
0.2961

■ 24.4323, 0.2660,
0.2703

185.4536, 0.2887,
0.2984

■ 15.6546, 0.2588,
0.2615

227.2948, 0.2902,
0.3003

■ 9.2801, 0.2491,
0.2498

274.9986, 0.2916,
0.3021

■ 4.9243, 0.2352,
0.2332

328.9496, 0.2928,

■ 2.2029, 0.2140,

0.3036

0.2085

389.5321, 0.2939,
0.3050

0.7216, 0.1788,
0.1665

0.0000, 0.0000,
0.0000

69.0282, 0.2794,
0.2868

69.0282, 0.2794,
0.2868

56.4915, 0.2612,
0.2624

83.2993, 0.2965,
0.3088

45.6181, 0.2423,
0.2358

99.3655, 0.3122,
0.3283

36.3366, 0.2232,
0.2077

100.0000, 0.3127,
0.3290

28.5689, 0.2049,
0.1789

■ 22.2300, 0.1882,
0.1508

■ 17.2254, 0.1742,
0.1249

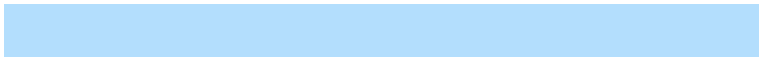
■ 13.4476, 0.1638,
0.1027

■ 10.8320, 0.1572,
0.0857

Harmonies

Analogous

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



69.0282, 0.2666, 0.2944



69.0282, 0.2794, 0.2868



69.0282, 0.3014, 0.2899

Triad

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



69.0282, 0.2794, 0.2868



69.0282, 0.3624, 0.3429



69.0282, 0.2971, 0.3580

Complementary

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



69.0282, 0.2794, 0.2868



89.1146, 0.3459, 0.3679

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.



69.0282, 0.3225, 0.3721



69.0282, 0.2794, 0.2868



69.0282, 0.3608, 0.3619

Square

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



69.0282, 0.2794, 0.2868



69.0282, 0.3499, 0.3214



69.0282, 0.3460, 0.3732



69.0282, 0.2765, 0.3353

Rectangle

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



69.0282, 0.2794, 0.2868



69.0282, 0.3186, 0.2973



69.0282, 0.3460, 0.3732



69.0282, 0.3053, 0.3640

Sweetspot

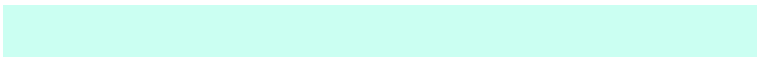
The Sweet Spot groups the original color and five complimentary colors.



69.0293, 0.2794, 0.2868



90.1001, 0.3035, 0.3176



90.6350, 0.2889, 0.3426



19.0630, 0.3025, 0.3164



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.



69.0293, 0.2794, 0.2868



64.2849, 0.2729, 0.2782



64.5597, 0.2873, 0.2738



18.1126, 0.2979, 0.3106



5.8567, 0.1579, 0.0883



0.7343, 0.1636, 0.1091

Inverse Universe

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



68.9524, 0.3436, 0.3159



64.3602, 0.3506, 0.3134



94.7136, 0.3349, 0.3814



18.0613, 0.3255, 0.3231



11.3192, 0.5939, 0.3045



1.1187, 0.5624, 0.2872

Previews

White Background



This preview shows how the Yxy color 69.0282, 0.2794, 0.2868 looks on a white background.

Color Contrast Check

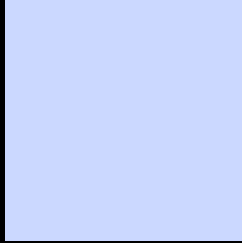
Large Text (above 18pt) WCAG AA × Fail

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 69.0282, 0.2794, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

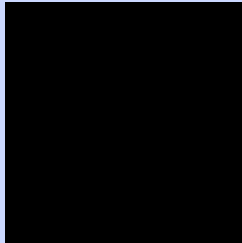
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0282, 0.2794, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 69.0282, 0.2794, 0.2868.

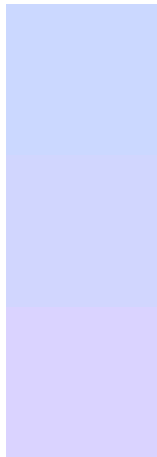


This preview shows how white text looks on a background with the Yxy color 69.0282, 0.2794, 0.2868.

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

69.0282, 0.2794, 0.2868

Protanopia

68.8042, 0.2837, 0.2861

Deuteranopia

68.7140, 0.2890, 0.2826



Tritanopia

69.0568, 0.2882, 0.3089

Trichromacy



Original Color

69.0282, 0.2794, 0.2868

Protanomaly

69.0220, 0.2825, 0.2871

Deuteranomaly

68.9546, 0.2857, 0.2843

Tritanomaly

69.0920, 0.2847, 0.3003

Monochromacy



Original Color

69.0282, 0.2794, 0.2868

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 69.0282, 0.2794, 0.2868 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.0282, 0.2794, 0.2868 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, 216, 255) }
```

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

```
.border{ border-color:rgb(203, 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(203, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0282, 0.2794, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 216, 255) }
```

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

```
.background{ background-color: rgb(203,  
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](#).

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