

Converting Colors

$Yxy(69.9065, 0.2761, 0.2938)$

Have a look what the booklet for
Yxy(69.9065, 0.2761, 0.2938)
contains.

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Color

Yxy(69.8168, 0.2764, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	C3DCFC
RGB	195, 220, 252
RGB Percent	76%, 86%, 99%
CMY	0.2351, 0.1373, 0.0116
CMYK	0.23, 0.13, 0.00, 0.01
HSL	214°, 91%, 88%
HSV	214°, 23%, 99%
XYZ	65.6820, 69.8168, 102.1350
YIQ	216.1730, -25.1720, 4.6520

Conversions

Conversions Part 2

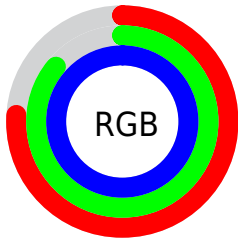
Format	Color
R _Y B	195, 212, 252
Decimal	12836092
CIE Lab	86.91, -1.51, -18.35
CIE LCh	87, 18.416, 265.287
Yxy	69.8168, 0.2764, 0.2938
Android (android.graphics.Color)	4291026172 (0xFFC3DCFC)
YUV	216.1730, 17.6627, -18.5687
Hunter-Lab	83.5564, -5.9087, -13.9835

Details

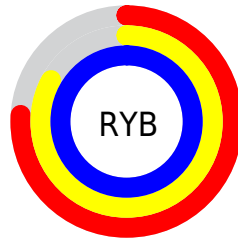
The Yxy color **69.8168, 0.2764, 0.2938** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.6309, 0.3522, 0.3618**, and the grayscale version is **68.6911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **36.4258, 0.2678, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **59.6139, 0.2594, 0.2754**, and if you desaturate by 10%, it is **81.2226, 0.2929, 0.3105**.

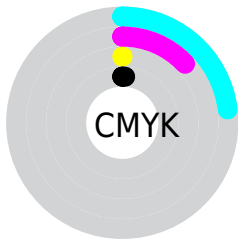
Distribution



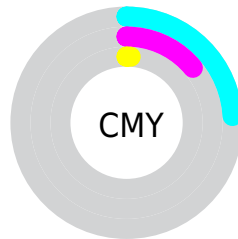
- Red (76%)
- Green (86%)
- Blue (99%)



- Red (76%)
- Yellow (83%)
- Blue (99%)



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (24%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8168, 0.2764, 0.2938 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 69.8168, 0.2764, 0.2938 by changing the saturation by 10% instead.

69.8168, 0.2764,
0.2938

69.8168, 0.2764,
0.2938

459.9065, 0.2932,
0.3101

51.3772, 0.2726,
0.2901

118.9475, 0.2822,
0.2995

36.5089, 0.2679,
0.2855

150.4073, 0.2845,
0.3017

24.8275, 0.2620,
0.2797

186.9760, 0.2864,
0.3036

15.9486, 0.2543,
0.2721

229.0380, 0.2881,
0.3052

9.4878, 0.2440,
0.2619

276.9777, 0.2896,
0.3067

5.0607, 0.2293,
0.2473

331.1794, 0.2909,

2.2829, 0.2071,

0.3080

0.2250

392.0275, 0.2921,
0.3091

0.7646, 0.1687,
0.1870

0.0000, 0.0000,
0.0000

69.8168, 0.2764,
0.2938

69.8168, 0.2764,
0.2938

59.6139, 0.2594,
0.2754

81.2226, 0.2929,
0.3105

50.5615, 0.2424,
0.2555

93.8642, 0.3087,
0.3254

42.6153, 0.2258,
0.2343

99.8103, 0.3144,
0.3318

35.7244, 0.2102,
0.2123

■ 29.8330, 0.1963,
0.1902

■ 24.8786, 0.1847,
0.1685

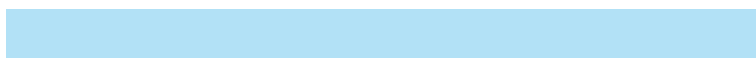
■ 20.7882, 0.1757,
0.1482

■ 18.2502, 0.1707,
0.1343

Harmonies

Analogous

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



69.8168, 0.2700, 0.3052



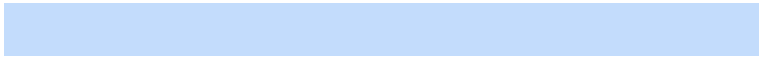
69.8168, 0.2764, 0.2938



69.8168, 0.2924, 0.2918

Triad

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



69.8168, 0.2764, 0.2938



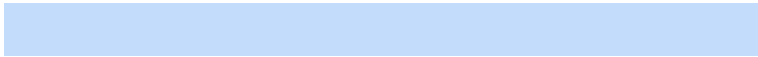
69.8168, 0.3525, 0.3320



69.8168, 0.3099, 0.3619

Complementary

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



69.8168, 0.2764, 0.2938



79.6309, 0.3522, 0.3618

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.



69.8168, 0.3323, 0.3689



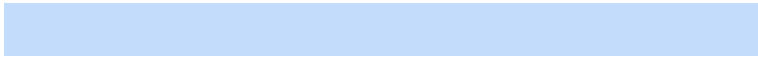
69.8168, 0.2764, 0.2938



69.8168, 0.3574, 0.3505

Square

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



69.8168, 0.2764, 0.2938



69.8168, 0.3365, 0.3134



69.8168, 0.3498, 0.3643



69.8168, 0.2889, 0.3450

Rectangle

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



69.8168, 0.2764, 0.2938



69.8168, 0.3066, 0.2957



69.8168, 0.3498, 0.3643



69.8168, 0.3175, 0.3655

Sweetspot

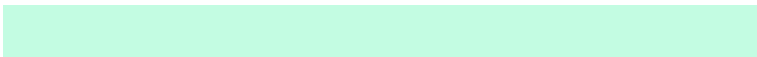
The Sweet Spot groups the original color and five complimentary colors.



69.8196, 0.2764, 0.2938



90.5328, 0.3019, 0.3190



86.7616, 0.2925, 0.3569



19.2094, 0.3009, 0.3181



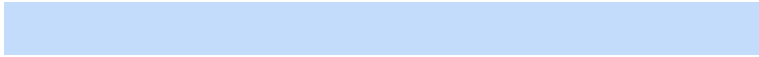
0.0000, 0.0000, 0.0000



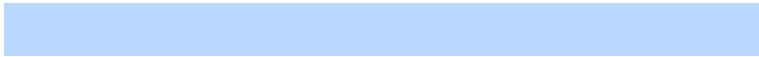
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8196, 0.2764, 0.2938



66.9362, 0.2690, 0.2859



58.0734, 0.2762, 0.2657



17.8931, 0.2979, 0.3153



9.7857, 0.1715, 0.1374



1.1132, 0.1779, 0.1604

Inverse Universe

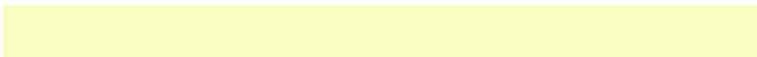
The Inverse Universe completely reimagines the original color for something new.



64.9196, 0.3394, 0.3035



61.4137, 0.3460, 0.2982



93.7564, 0.3450, 0.3860



17.3514, 0.3225, 0.3187



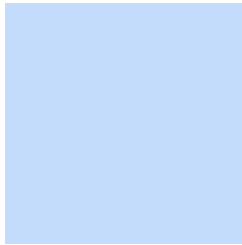
11.3988, 0.5226, 0.2652



1.0766, 0.4926, 0.2487

Previews

White Background



This preview shows how the Yxy color 69.8168, 0.2764, 0.2938 looks on a white background.

Color Contrast Check

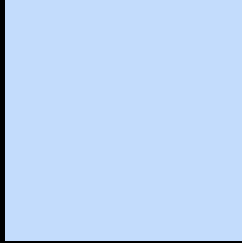
Large Text (above 18pt) WCAG AA × Fail

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 69.8168, 0.2764, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

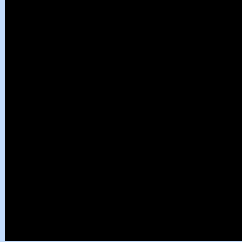
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

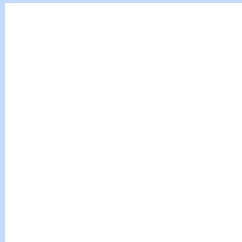
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8168, 0.2764, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 69.8168, 0.2764, 0.2938.



This preview shows how white text looks on a background with the Yxy color 69.8168, 0.2764, 0.2938.

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

69.8168, 0.2764, 0.2938

Protanopia

69.9483, 0.2888, 0.2936

Deuteranopia

69.6149, 0.2916, 0.2849



Tritanopia

69.8713, 0.2821, 0.3088

Trichromacy



Original Color

69.8168, 0.2764, 0.2938

Protanomaly

69.6496, 0.2843, 0.2933

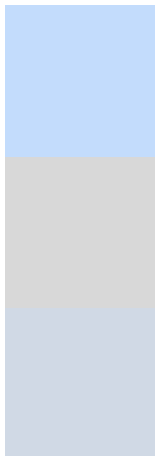
Deuteranomaly

69.6898, 0.2863, 0.2884

Tritanomaly

69.7139, 0.2804, 0.3034

Monochromacy



Original Color

69.8168, 0.2764, 0.2938

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.6927, 0.2985, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8168, 0.2764, 0.2938 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(195, 220, 252)` looks like.

```
.text, #text, p{  
    color:rgb(195, 220, 252)  
}
```

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(195, 220, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 220, 252) }
```

Border

The CSS property to change the border of an element to Yxy 69.8168, 0.2764, 0.2938 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(195, 220, 252) }
```

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

```
.border{ border-color:rgb(195, 220, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 220, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 220, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 220, 252);  
box-shadow:4px 4px 4px 4px rgb(195, 220,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8168, 0.2764, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 220, 252) }
```

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

```
.background{ background-color: rgb(195,  
220, 252) }
```

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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