

Converting Colors

Yxy(82.4604, 0.2348, 0.2181)

Have a look what the booklet for
Yxy(82.4604, 0.2348, 0.2181)
contains.

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Color

Yxy(74.9862, 0.2784, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	C8E4FF
RGB	200, 228, 255
RGB Percent	78%, 89%, 100%
CMY	0.2158, 0.1058, 0.0000
CMYK	0.22, 0.11, 0.00, 0.00
HSL	209°, 100%, 89%
HSV	209°, 22%, 100%
XYZ	69.6104, 74.9862, 105.4407
YIQ	222.7060, -25.3550, 2.4610

Conversions

Conversions Part 2

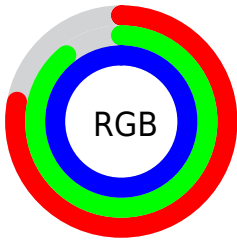
Format	Color
R _Y B	200, 219, 255
Decimal	13165823
CIE Lab	89.39, -3.56, -16.17
CIE LCh	89, 16.556, 257.589
Yxy	74.9862, 0.2784, 0.2999
Android (android.graphics.Color)	4291355903 (0xFFC8E4FF)
YUV	222.7060, 15.9209, -19.9132
Hunter-Lab	86.5946, -8.0505, -11.5775

Details

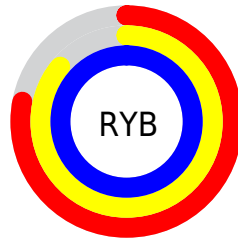
The Yxy color **74.9862, 0.2784, 0.2999** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.3447, 0.3510, 0.3564**, and the grayscale version is **73.4673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9841, 0.2707, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **65.1298, 0.2620, 0.2842**, and if you desaturate by 10%, it is **85.9275, 0.2946, 0.3143**.

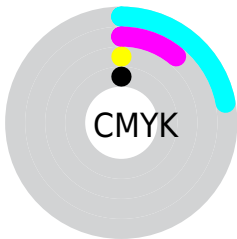
Distribution



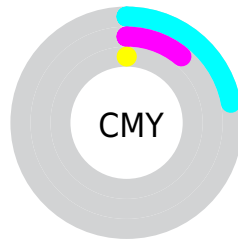
- Red (78%)
- Green (89%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9862, 0.2784, 0.2999 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 74.9862, 0.2784, 0.2999 by changing the saturation by 10% instead.

■ 74.9862, 0.2784,
0.2999

■ 74.9862, 0.2784,
0.2999

477.8701, 0.2940,
0.3133

■ 55.6016, 0.2749,
0.2969

126.2928, 0.2838,
0.3045

■ 39.8836, 0.2706,
0.2931

158.9836, 0.2859,
0.3063

■ 27.4478, 0.2652,
0.2884

196.8786, 0.2877,
0.3079

■ 17.9098, 0.2583,
0.2823

240.3622, 0.2893,
0.3093

■ 10.8853, 0.2490,
0.2740

289.8187, 0.2907,
0.3105

■ 5.9897, 0.2360,
0.2623

345.6326, 0.2919,

■ 2.8388, 0.2165,

0.3115

0.2445

408.1883, 0.2930,
0.3125

■ 1.0482, 0.1848,
0.2147

■ 0.0000, 0.0000,
0.0000

■ 74.9862, 0.2784,
0.2999

■ 74.9862, 0.2784,
0.2999

■ 65.1298, 0.2620,
0.2842

■ 85.9275, 0.2946,
0.3143

■ 56.3165, 0.2456,
0.2671

■ 97.9885, 0.3103,
0.3271

■ 48.5047, 0.2299,
0.2488

■ 100.0000, 0.3127,
0.3290

■ 41.6486, 0.2152,
0.2298

■ 35.6979, 0.2021,
0.2104

■ 30.5958, 0.1912,
0.1911

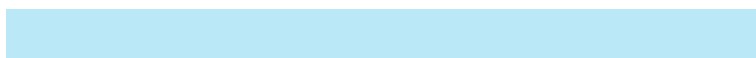
■ 26.2760, 0.1826,
0.1725

■ 23.1672, 0.1772,
0.1577

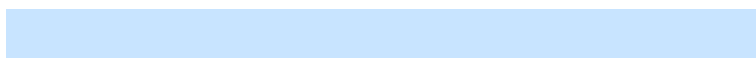
Harmonies

Analogous

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



74.9862, 0.2752, 0.3119



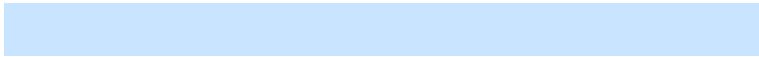
74.9862, 0.2784, 0.2999



74.9862, 0.2906, 0.2958

Triad

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



74.9862, 0.2784, 0.2999



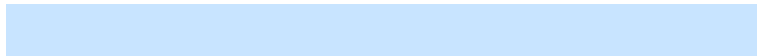
74.9862, 0.3448, 0.3274



74.9862, 0.3155, 0.3602

Complementary

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



74.9862, 0.2784, 0.2999



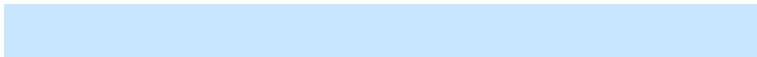
80.3447, 0.3510, 0.3564

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.



74.9862, 0.3345, 0.3638



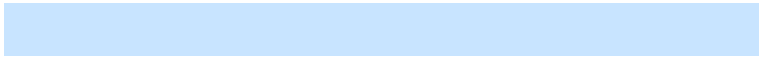
74.9862, 0.2784, 0.2999



74.9862, 0.3518, 0.3441

Square

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



74.9862, 0.2784, 0.2999



74.9862, 0.3289, 0.3116



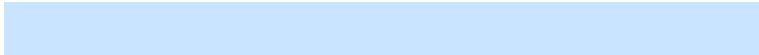
74.9862, 0.3480, 0.3576



74.9862, 0.2962, 0.3474

Rectangle

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



74.9862, 0.2784, 0.2999



74.9862, 0.3024, 0.2979



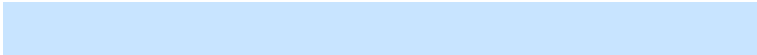
74.9862, 0.3480, 0.3576



74.9862, 0.3221, 0.3626

Sweetspot

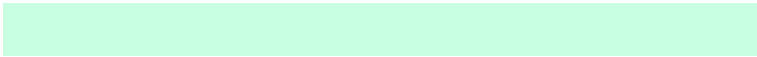
The Sweet Spot groups the original color and five complimentary colors.



74.9870, 0.2784, 0.2999



92.5181, 0.3034, 0.3216



89.3173, 0.2954, 0.3595



19.6337, 0.3024, 0.3208



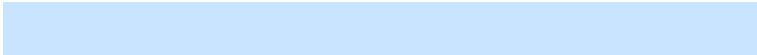
0.0000, 0.0000, 0.0000



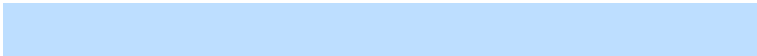
21.4041, 0.3127, 0.3290

Same Dimension

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



74.9870, 0.2784, 0.2999



70.4996, 0.2712, 0.2932



61.2153, 0.2762, 0.2696



18.9080, 0.2979, 0.3170



12.4052, 0.1779, 0.1606



1.4266, 0.1836, 0.1809

Inverse Universe

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



68.1561, 0.3349, 0.3008



62.8261, 0.3406, 0.2947



96.3649, 0.3456, 0.3822



18.1416, 0.3214, 0.3170



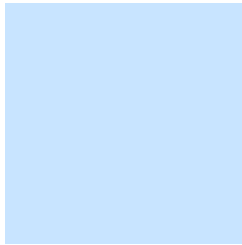
11.9803, 0.4924, 0.2486



1.1886, 0.4675, 0.2349

Previews

White Background



This preview shows how the Yxy color 74.9862, 0.2784, 0.2999 looks on a white background.

Color Contrast Check

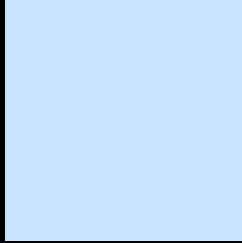
Large Text (above 18pt) WCAG AA × Fail

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 74.9862, 0.2784, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

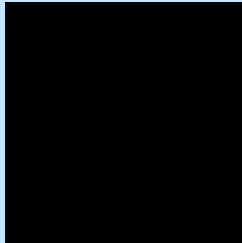
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

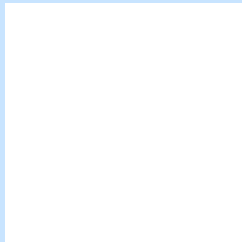
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.9862, 0.2784, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 74.9862, 0.2784, 0.2999.



This preview shows how white text looks on a background with the Yxy color 74.9862, 0.2784, 0.2999.

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

74.9862, 0.2784, 0.2999

Protanopia

75.0193, 0.2925, 0.2986

Deuteranopia

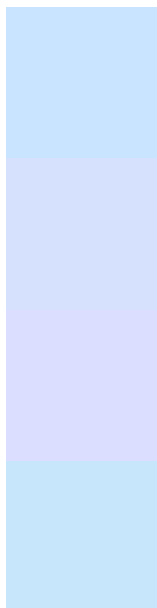
74.7060, 0.2972, 0.2921



Tritanopia

74.9580, 0.2818, 0.3083

Trichromacy



Original Color

74.9862, 0.2784, 0.2999

Protanomaly

75.0884, 0.2875, 0.2994

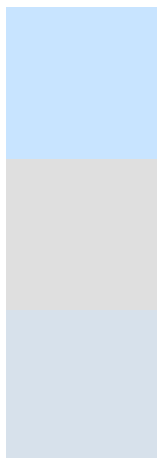
Deuteranomaly

74.5226, 0.2900, 0.2945

Tritanomaly

75.1458, 0.2801, 0.3051

Monochromacy



Original Color

74.9862, 0.2784, 0.2999

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.2957, 0.2996, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9862, 0.2784, 0.2999 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(200, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 228, 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(200, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.9862, 0.2784, 0.2999 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(200, 228, 255) }
```

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

```
.border{ border-color:rgb(200, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9862, 0.2784, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 228, 255) }
```

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

```
.background{ background-color: rgb(200,  
228, 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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