

Converting Colors

$Yxy(74.9808, 0.2808, 0.2990)$

Have a look what the booklet for
Yxy(74.9808, 0.2808, 0.2990)
contains.

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Color

Yxy(74.9955, 0.2808, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	CCE3FF
RGB	204, 227, 255
RGB Percent	80%, 89%, 100%
CMY	0.1999, 0.1098, 0.0000
CMYK	0.20, 0.11, 0.00, 0.00
HSL	213°, 100%, 90%
HSV	213°, 20%, 100%
XYZ	70.4306, 74.9955, 105.3950
YIQ	223.3150, -22.6960, 3.8320

Conversions

Conversions Part 2

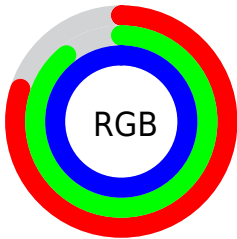
Format	Color
R_{YB}	204, 220, 255
Decimal	13427711
CIE _{Lab}	89.39, -1.81, -16.13
CIE _{LCh}	89, 16.234, 263.585
Yxy	74.9955, 0.2808, 0.2990
Android (android.graphics.Color)	4291617791 (0xFFCCE3FF)
YUV	223.3150, 15.6207, -16.9393
Hunter-Lab	86.5999, -6.3783, -11.5379

Details

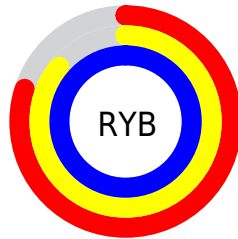
The Yxy color **74.9955, 0.2808, 0.2990** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.3562, 0.3472, 0.3572**, and the grayscale version is **73.9301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9718, 0.2736, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **64.3273, 0.2640, 0.2815**, and if you desaturate by 10%, it is **86.8797, 0.2971, 0.3149**.

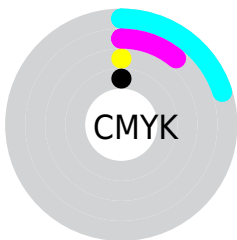
Distribution



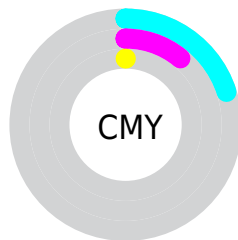
- Red (80%)
- Green (89%)
- Blue (100%)



- Red (80%)
- Yellow (86%)
- Blue (100%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9955, 0.2808, 0.2990 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 74.9955, 0.2808, 0.2990 by changing the saturation by 10% instead.

■ 74.9955, 0.2808,
0.2990

■ 74.9955, 0.2808,
0.2990

477.9021, 0.2954,
0.3128

■ 55.6092, 0.2775,
0.2959

126.3060, 0.2858,
0.3038

■ 39.8897, 0.2735,
0.2921

158.9990, 0.2878,
0.3056

■ 27.4525, 0.2685,
0.2873

196.8963, 0.2895,
0.3072

■ 17.9134, 0.2620,
0.2810

240.3824, 0.2909,
0.3086

■ 10.8878, 0.2533,
0.2726

289.8416, 0.2922,
0.3098

■ 5.9915, 0.2410,
0.2608

345.6584, 0.2934,

■ 2.8399, 0.2227,

0.3109

0.2428

408.2171, 0.2944,
0.3119

■ 1.0487, 0.1926,
0.2130

■ 0.0000, 0.0000,
0.0000

■ 74.9955, 0.2808,
0.2990

■ 74.9955, 0.2808,
0.2990

■ 64.3273, 0.2640,
0.2815

■ 86.8797, 0.2971,
0.3149

■ 54.8283, 0.2470,
0.2625

100.0000, 0.3127,
0.3290

■ 46.4532, 0.2304,
0.2420

■ 39.1519, 0.2147,
0.2207

■ 32.8698, 0.2005,
0.1990

■ 27.5460, 0.1884,
0.1775

■ 23.1102, 0.1788,
0.1571

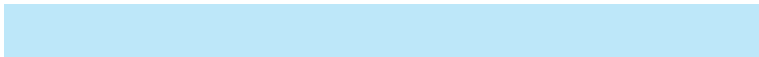
■ 19.4583, 0.1718,
0.1383

■ 19.4540, 0.1718,
0.1383

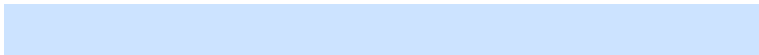
Harmonies

Analogous

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



74.9955, 0.2757, 0.3094



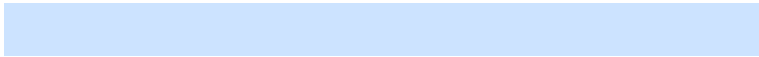
74.9955, 0.2808, 0.2990



74.9955, 0.2943, 0.2967

Triad

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



74.9955, 0.2808, 0.2990



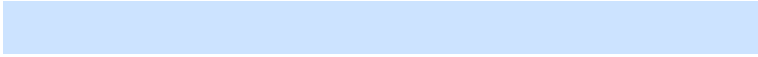
74.9955, 0.3463, 0.3308



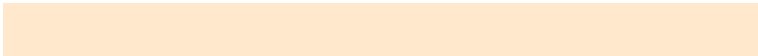
74.9955, 0.3115, 0.3577

Complementary

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



74.9955, 0.2808, 0.2990



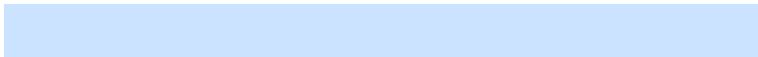
83.3562, 0.3472, 0.3572

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.



74.9955, 0.3307, 0.3632



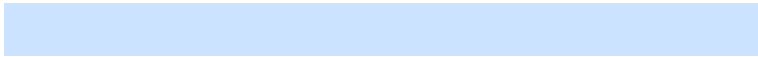
74.9955, 0.2808, 0.2990



74.9955, 0.3511, 0.3469

Square

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



74.9955, 0.2808, 0.2990



74.9955, 0.3322, 0.3147



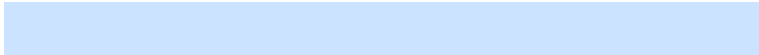
74.9955, 0.3453, 0.3590



74.9955, 0.2931, 0.3437

Rectangle

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



74.9955, 0.2808, 0.2990



74.9955, 0.3064, 0.2997



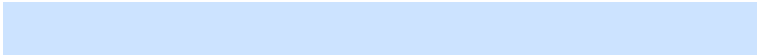
74.9955, 0.3453, 0.3590



74.9955, 0.3181, 0.3607

Sweetspot

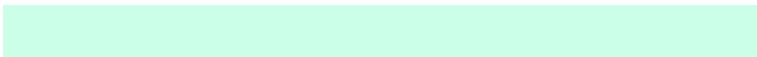
The Sweet Spot groups the original color and five complimentary colors.



74.9967, 0.2808, 0.2990



91.9655, 0.3035, 0.3207



90.1436, 0.2952, 0.3542



19.5031, 0.3024, 0.3198



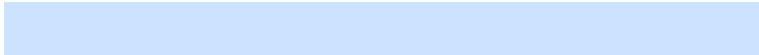
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



74.9967, 0.2808, 0.2990



70.5720, 0.2741, 0.2922



63.5045, 0.2803, 0.2738



18.7254, 0.2979, 0.3156



10.4537, 0.1726, 0.1413



1.2324, 0.1786, 0.1629

Inverse Universe

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



70.0068, 0.3352, 0.3059



64.9949, 0.3408, 0.3010



96.8204, 0.3418, 0.3792



18.1231, 0.3223, 0.3183



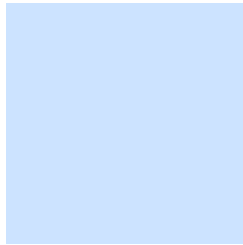
11.7833, 0.5174, 0.2624



1.1690, 0.4894, 0.2470

Previews

White Background



This preview shows how the Yxy color 74.9955, 0.2808, 0.2990 looks on a white background.

Color Contrast Check

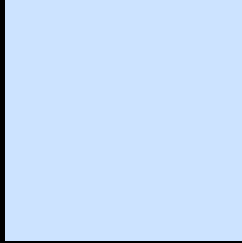
Large Text (above 18pt) WCAG AA × Fail

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 74.9955, 0.2808, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

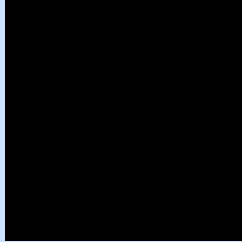
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

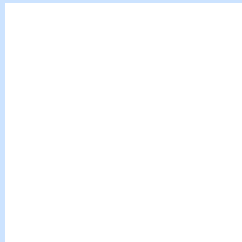
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.9955, 0.2808, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 74.9955, 0.2808, 0.2990.



This preview shows how white text looks on a background with the Yxy color 74.9955, 0.2808, 0.2990.

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

74.9955, 0.2808, 0.2990

Protanopia

75.0193, 0.2925, 0.2986

Deuteranopia

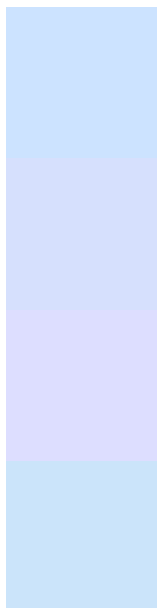
74.7060, 0.2972, 0.2921



Tritanopia

74.7588, 0.2841, 0.3084

Trichromacy



Original Color

74.9955, 0.2808, 0.2990

Protanomaly

74.6993, 0.2881, 0.2984

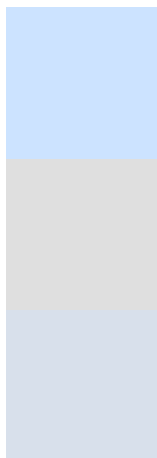
Deuteranomaly

74.8347, 0.2913, 0.2947

Tritanomaly

75.0854, 0.2831, 0.3053

Monochromacy



Original Color

74.9955, 0.2808, 0.2990

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.9084, 0.3002, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9955, 0.2808, 0.2990 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.9955, 0.2808, 0.2990 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, 227, 255) }
```

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

```
.border{ border-color:rgb(204, 227, 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, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9955, 0.2808, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 255) }
```

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

```
.background{ background-color: rgb(204,  
227, 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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