

Converting Colors

$Yxy(75.0764, 0.2797, 0.2996)$

Have a look what the booklet for
Yxy(75.0764, 0.2797, 0.2996)
contains.

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Color

Yxy(75.2634, 0.2796, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	CAE4FF
RGB	202, 228, 255
RGB Percent	79%, 89%, 100%
CMY	0.2080, 0.1058, 0.0000
CMYK	0.21, 0.11, 0.00, 0.00
HSL	211°, 100%, 90%
HSV	211°, 21%, 100%
XYZ	70.1455, 75.2634, 105.4691
YIQ	223.3040, -24.1630, 2.8850

Conversions

Conversions Part 2

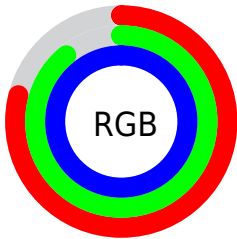
Format	Color
R_{YB}	202, 219, 255
Decimal	13296895
CIE _{Lab}	89.52, -2.97, -15.96
CIE _{LCh}	90, 16.236, 259.477
Yxy	75.2634, 0.2796, 0.3000
Android (android.graphics.Color)	4291486975 (0xFFCAE4FF)
YUV	223.3040, 15.6261, -18.6836
Hunter-Lab	86.7545, -7.4939, -11.3519

Details

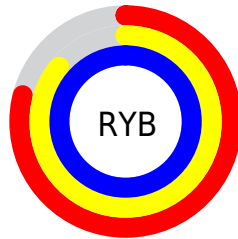
The Yxy color **75.2634, 0.2796, 0.3000** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **81.5281, 0.3492, 0.3563**, and the grayscale version is **73.9135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.1674, 0.2722, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **65.1242, 0.2631, 0.2838**, and if you desaturate by 10%, it is **86.5271, 0.2959, 0.3148**.

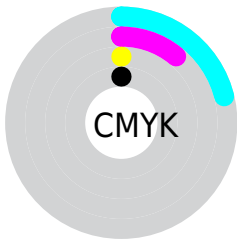
Distribution



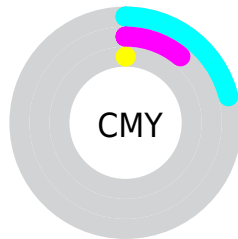
- Red (79%)
- Green (89%)
- Blue (100%)



- Red (79%)
- Yellow (86%)
- Blue (100%)



- Cyan (21%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2634, 0.2796, 0.3000 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 75.2634, 0.2796, 0.3000 by changing the saturation by 10% instead.

■ 75.2634, 0.2796,
0.3000

■ 75.2634, 0.2796,
0.3000

478.8224, 0.2947,
0.3133

■ 55.8287, 0.2762,
0.2970

126.6851, 0.2848,
0.3046

■ 40.0656, 0.2721,
0.2933

159.4410, 0.2868,
0.3064

■ 27.5897, 0.2669,
0.2886

197.4060, 0.2886,
0.3080

■ 18.0166, 0.2602,
0.2825

240.9646, 0.2901,
0.3093

■ 10.9619, 0.2512,
0.2743

290.5011, 0.2915,
0.3105

■ 6.0412, 0.2386,
0.2628

346.4000, 0.2927,

■ 2.8702, 0.2198,

0.3116

0.2452

409.0456, 0.2937,
0.3125

1.0643, 0.1891,
0.2159

0.0000, 0.0000,
0.0000

75.2634, 0.2796,
0.3000

75.2634, 0.2796,
0.3000

65.1242, 0.2631,
0.2838

86.5271, 0.2959,
0.3148

56.0672, 0.2465,
0.2661

98.9517, 0.3115,
0.3280

48.0496, 0.2305,
0.2472

100.0000, 0.3127,
0.3290

41.0246, 0.2154,
0.2275

■ 34.9406, 0.2019,
0.2073

■ 29.7401, 0.1906,
0.1873

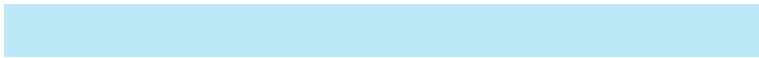
■ 25.3561, 0.1816,
0.1681

■ 21.9554, 0.1754,
0.1515

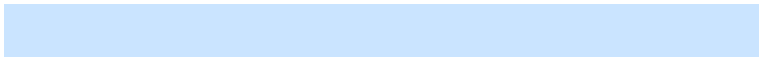
Harmonies

Analogous

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



75.2634, 0.2758, 0.3114



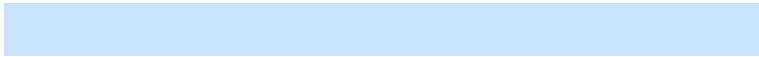
75.2634, 0.2796, 0.3000



75.2634, 0.2920, 0.2965

Triad

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



75.2634, 0.2796, 0.3000



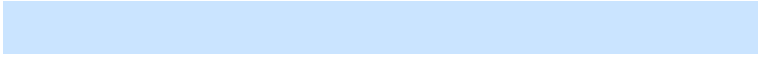
75.2634, 0.3448, 0.3285



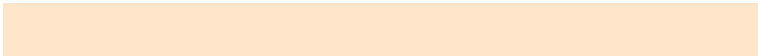
75.2634, 0.3142, 0.3590

Complementary

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



75.2634, 0.2796, 0.3000



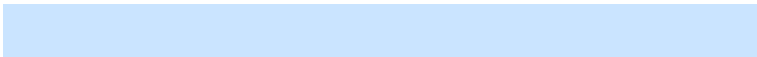
81.5281, 0.3492, 0.3563

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.



75.2634, 0.3330, 0.3632



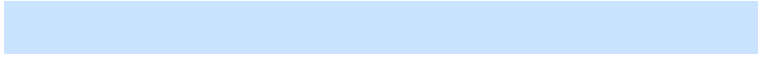
75.2634, 0.2796, 0.3000



75.2634, 0.3511, 0.3448

Square

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



75.2634, 0.2796, 0.3000



75.2634, 0.3297, 0.3128



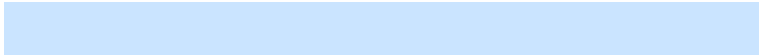
75.2634, 0.3467, 0.3577



75.2634, 0.2954, 0.3460

Rectangle

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



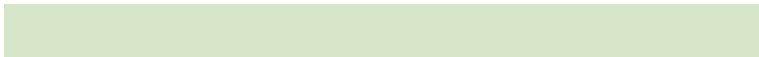
75.2634, 0.2796, 0.3000



75.2634, 0.3038, 0.2988



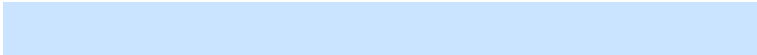
75.2634, 0.3467, 0.3577



75.2634, 0.3207, 0.3615

Sweetspot

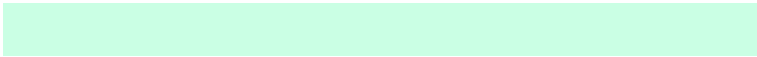
The Sweet Spot groups the original color and five complimentary colors.



75.2640, 0.2796, 0.3000



92.3466, 0.3035, 0.3213



89.6981, 0.2955, 0.3573



19.5932, 0.3024, 0.3205



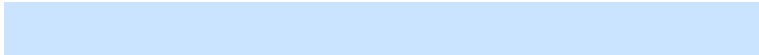
0.0000, 0.0000, 0.0000



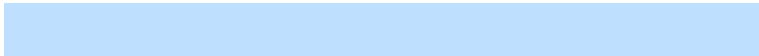
21.4041, 0.3127, 0.3290

Same Dimension

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



75.2640, 0.2796, 0.3000



70.8732, 0.2727, 0.2934



61.9896, 0.2777, 0.2710



18.8513, 0.2979, 0.3166



11.7694, 0.1763, 0.1545



1.3639, 0.1820, 0.1753

Inverse Universe

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



69.0816, 0.3347, 0.3028



63.9351, 0.3402, 0.2972



97.0421, 0.3442, 0.3811



18.1358, 0.3217, 0.3174



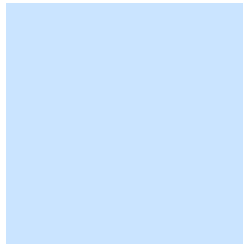
11.9161, 0.5002, 0.2529



1.1822, 0.4742, 0.2386

Previews

White Background



This preview shows how the Yxy color 75.2634, 0.2796, 0.3000 looks on a white background.

Color Contrast Check

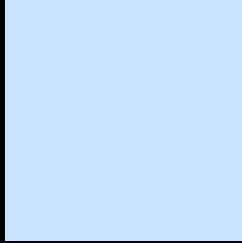
Large Text (above 18pt) WCAG AA × Fail

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 75.2634, 0.2796, 0.3000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

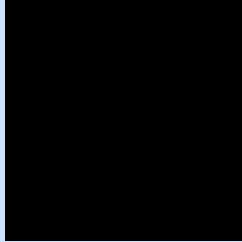
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

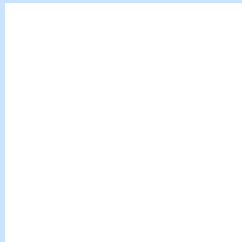
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.2634, 0.2796, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 75.2634, 0.2796, 0.3000.

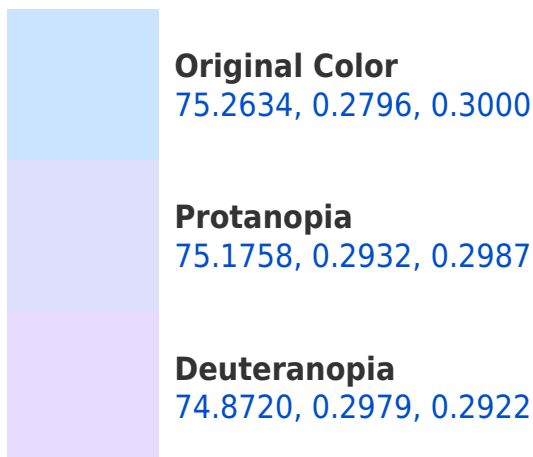


This preview shows how white text looks on a background with the Yxy color 75.2634, 0.2796, 0.3000.

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

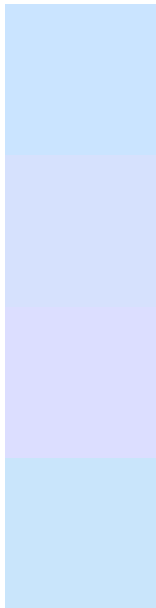




Tritanopia

75.2334, 0.2830, 0.3084

Trichromacy



Original Color

75.2634, 0.2796, 0.3000

Protanomaly

75.2384, 0.2881, 0.2994

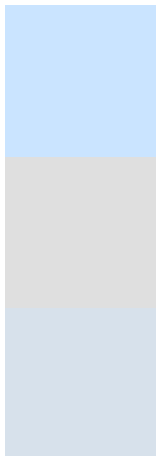
Deuteranomaly

74.6782, 0.2907, 0.2946

Tritanomaly

75.4212, 0.2813, 0.3052

Monochromacy



Original Color

75.2634, 0.2796, 0.3000

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 75.2634, 0.2796, 0.3000 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(202, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.2634, 0.2796, 0.3000 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(202, 228, 255) }
```

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

```
.border{ border-color:rgb(202, 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(202, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2634, 0.2796, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 228, 255) }
```

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

```
.background{ background-color: rgb(202,  
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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