

Converting Colors

$Yxy(77.9441, 0.2773, 0.3024)$

Have a look what the booklet for
Yxy(77.9441, 0.2773, 0.3024)
contains.

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Color

Yxy(77.7772, 0.2788, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	C8E9FF
RGB	200, 233, 255
RGB Percent	78%, 91%, 100%
CMY	0.2158, 0.0862, 0.0000
CMYK	0.22, 0.09, 0.00, 0.00
HSL	204°, 100%, 89%
HSV	204°, 22%, 100%
XYZ	71.0029, 77.7772, 105.8931
YIQ	225.6410, -26.7300, -0.1540

Conversions

Conversions Part 2

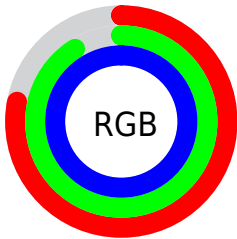
Format	Color
R _Y B	200, 221, 255
Decimal	13167103
CIE Lab	90.68, -6.14, -14.22
CIE LCh	91, 15.493, 246.653
Yxy	77.7772, 0.2788, 0.3054
Android (android.graphics.Color)	4291357183 (0xFFC8E9FF)
YUV	225.6410, 14.4740, -22.4872
Hunter-Lab	88.1914, -10.6245, -9.4567

Details

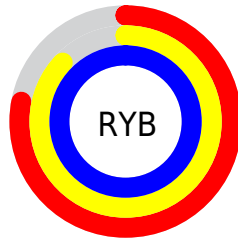
The Yxy color **77.7772, 0.2788, 0.3054** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.6452, 0.3520, 0.3515**, and the grayscale version is **75.6852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5412, 0.2712, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **68.9537, 0.2630, 0.2927**, and if you desaturate by 10%, it is **87.5230, 0.2947, 0.3170**.

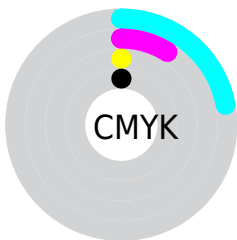
Distribution



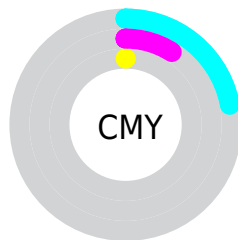
- Red (78%)
- Green (91%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7772, 0.2788, 0.3054 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 77.7772, 0.2788, 0.3054 by changing the saturation by 10% instead.

■ 77.7772, 0.2788,
0.3054

■ 77.7772, 0.2788,
0.3054

487.4098, 0.2941,
0.3163

■ 57.8910, 0.2754,
0.3029

130.2360, 0.2841,
0.3092

■ 41.7210, 0.2712,
0.2999

163.5774, 0.2861,
0.3106

■ 28.8829, 0.2660,
0.2960

202.1726, 0.2879,
0.3119

■ 18.9922, 0.2593,
0.2910

246.4060, 0.2895,
0.3130

■ 11.6647, 0.2503,
0.2843

296.6620, 0.2908,
0.3140

■ 6.5158, 0.2379,
0.2747

353.3251, 0.2921,

■ 3.1612, 0.2195,

0.3148

0.2601

416.7796, 0.2932,
0.3156

1.2164, 0.1897,
0.2353

0.0751, 0.0000,
0.0650

77.7772, 0.2788,
0.3054

77.7772, 0.2788,
0.3054

68.9537, 0.2630,
0.2927

87.5230, 0.2947,
0.3170

61.0122, 0.2476,
0.2790

98.2179, 0.3103,
0.3275

53.9175, 0.2330,
0.2644

100.0000, 0.3127,
0.3290

47.6290, 0.2196,
0.2491

■ 42.1019, 0.2079,
0.2334

■ 37.2854, 0.1983,
0.2177

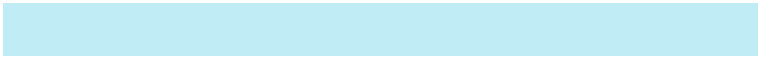
■ 33.1193, 0.1908,
0.2023

■ 30.0430, 0.1860,
0.1897

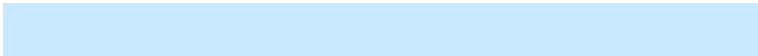
Harmonies

Analogous

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



77.7772, 0.2791, 0.3188



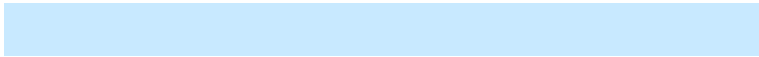
77.7772, 0.2788, 0.3054



77.7772, 0.2873, 0.2988

Triad

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



77.7772, 0.2788, 0.3054



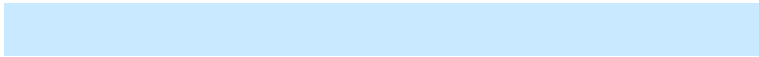
77.7772, 0.3377, 0.3219



77.7772, 0.3220, 0.3601

Complementary

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



77.7772, 0.2788, 0.3054



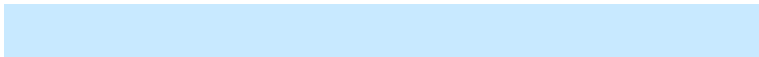
77.6452, 0.3520, 0.3515

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.



77.7772, 0.3383, 0.3601



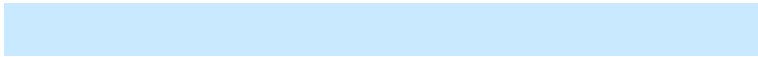
77.7772, 0.2788, 0.3054



77.7772, 0.3476, 0.3376

Square

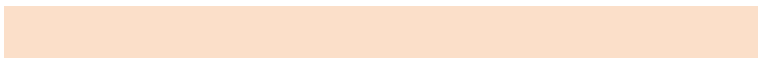
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7772, 0.2788, 0.3054



77.7772, 0.3211, 0.3084



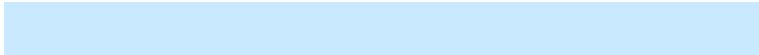
77.7772, 0.3477, 0.3516



77.7772, 0.3037, 0.3511

Rectangle

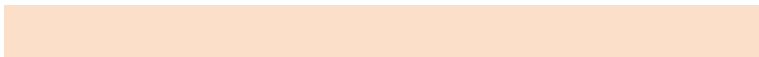
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7772, 0.2788, 0.3054



77.7772, 0.2970, 0.2987



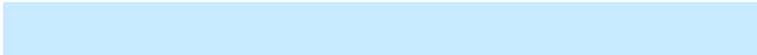
77.7772, 0.3477, 0.3516



77.7772, 0.3279, 0.3611

Sweetspot

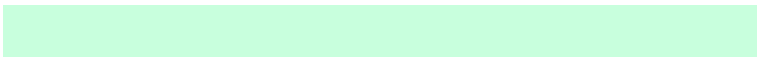
The Sweet Spot groups the original color and five complimentary colors.



77.7791, 0.2788, 0.3054



93.3746, 0.3034, 0.3230



89.0181, 0.2983, 0.3657



19.8362, 0.3024, 0.3223



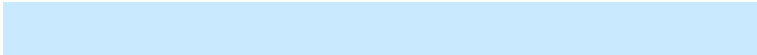
0.0000, 0.0000, 0.0000



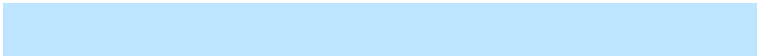
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7791, 0.2788, 0.3054



73.7695, 0.2718, 0.2999



63.8224, 0.2767, 0.2758



19.1923, 0.2979, 0.3193



15.9983, 0.1867, 0.1922



1.7716, 0.1915, 0.2094

Inverse Universe

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



68.4356, 0.3311, 0.2959



63.1562, 0.3358, 0.2888



92.9199, 0.3466, 0.3771



18.1703, 0.3200, 0.3148



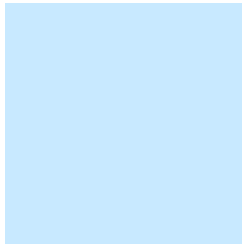
12.3430, 0.4542, 0.2276



1.2234, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 77.7772, 0.2788, 0.3054 looks on a white background.

Color Contrast Check

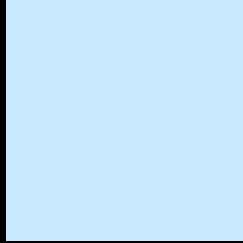
Large Text (above 18pt) WCAG AA × Fail

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 77.7772, 0.2788, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

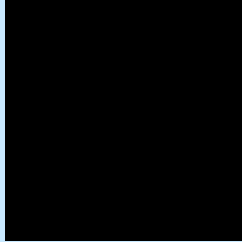
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

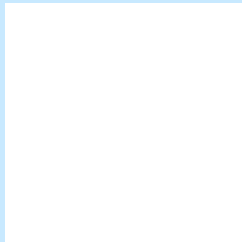
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7772, 0.2788, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 77.7772, 0.2788, 0.3054.



This preview shows how white text looks on a background with the Yxy color 77.7772, 0.2788, 0.3054.

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

77.7772, 0.2788, 0.3054

Protanopia

77.3653, 0.2964, 0.3031

Deuteranopia

77.2954, 0.3013, 0.2957



Tritanopia

77.4482, 0.2799, 0.3085

Trichromacy



Original Color

77.7772, 0.2788, 0.3054

Protanomaly

77.6658, 0.2901, 0.3049

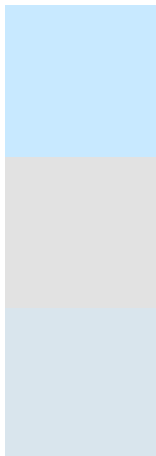
Deuteranomaly

77.3007, 0.2927, 0.2990

Tritanomaly

77.5118, 0.2793, 0.3075

Monochromacy



Original Color

77.7772, 0.2788, 0.3054

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.9048, 0.2997, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7772, 0.2788, 0.3054 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 233, 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, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.7772, 0.2788, 0.3054 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, 233, 255) }
```

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

```
.border{ border-color:rgb(200, 233, 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, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 233,  
255) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.7772, 0.2788, 0.3054$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 233, 255) }
```

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

```
.background{ background-color: rgb(200,  
233, 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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