

Converting Colors

$Yxy(85.9972, 0.2339, 0.2221)$

Have a look what the booklet for
Yxy(85.9972, 0.2339, 0.2221)
contains.

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Color

Yxy(78.0714, 0.2777, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	C6EAFF
RGB	198, 234, 255
RGB Percent	78%, 92%, 100%
CMY	0.2237, 0.0823, 0.0000
CMYK	0.22, 0.08, 0.00, 0.00
HSL	202°, 100%, 89%
HSV	202°, 22%, 100%
XYZ	70.7586, 78.0714, 105.9722
YIQ	225.6300, -28.1970, -1.1010

Conversions

Conversions Part 2

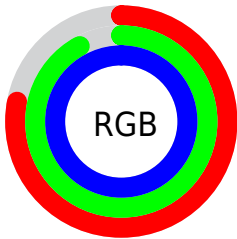
Format	Color
R _Y B	198, 220, 255
Decimal	13036287
CIE Lab	90.81, -7.24, -14.04
CIE LCh	91, 15.799, 242.725
Yxy	78.0714, 0.2777, 0.3064
Android (android.graphics.Color)	4291226367 (0xFFC6E AFF)
YUV	225.6300, 14.4794, -24.2315
Hunter-Lab	88.3580, -11.6808, -9.2589

Details

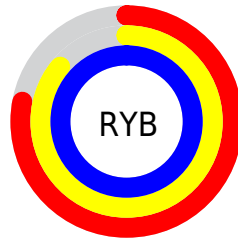
The Yxy color **78.0714, 0.2777, 0.3064** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.9775, 0.3541, 0.3505**, and the grayscale version is **75.6775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7576, 0.2699, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **69.6913, 0.2621, 0.2947**, and if you desaturate by 10%, it is **87.3203, 0.2935, 0.3172**.

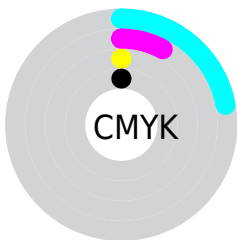
Distribution



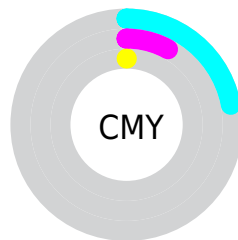
- Red (78%)
- Green (92%)
- Blue (100%)



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



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0714, 0.2777, 0.3064 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 78.0714, 0.2777, 0.3064 by changing the saturation by 10% instead.

■ 78.0714, 0.2777,
0.3064

■ 78.0714, 0.2777,
0.3064

488.4093, 0.2935,
0.3169

■ 58.1326, 0.2742,
0.3040

130.6508, 0.2831,
0.3100

■ 41.9153, 0.2699,
0.3011

164.0602, 0.2852,
0.3114

■ 29.0350, 0.2645,
0.2974

202.7285, 0.2871,
0.3126

■ 19.1073, 0.2576,
0.2926

247.0403, 0.2887,
0.3137

■ 11.7478, 0.2485,
0.2860

297.3799, 0.2901,
0.3146

■ 6.5722, 0.2357,
0.2767

354.1316, 0.2914,

■ 3.1960, 0.2169,

0.3155

0.2625

417.6800, 0.2925,
0.3162

1.2349, 0.1866,
0.2383

0.0899, 0.0000,
0.0766

78.0714, 0.2777,
0.3064

78.0714, 0.2777,
0.3064

69.6913, 0.2621,
0.2947

87.3203, 0.2935,
0.3172

62.1428, 0.2471,
0.2821

97.4658, 0.3091,
0.3269

55.3911, 0.2330,
0.2686

100.0000, 0.3127,
0.3290

49.3966, 0.2202,
0.2546

■ 44.1155, 0.2091,
0.2403

■ 39.4978, 0.2001,
0.2259

■ 35.4840, 0.1932,
0.2117

■ 32.7612, 0.1892,
0.2011

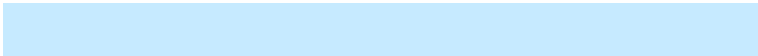
Harmonies

Analogous

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



78.0714, 0.2792, 0.3207



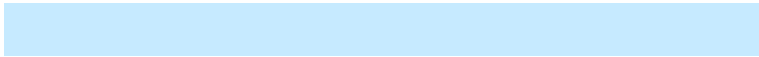
78.0714, 0.2777, 0.3064



78.0714, 0.2852, 0.2986

Triad

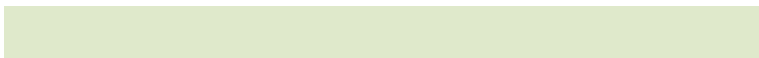
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0714, 0.2777, 0.3064



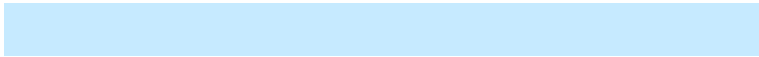
78.0714, 0.3363, 0.3198



78.0714, 0.3246, 0.3612

Complementary

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



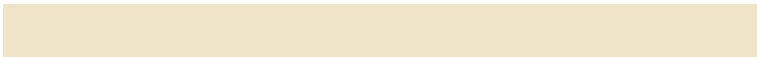
78.0714, 0.2777, 0.3064



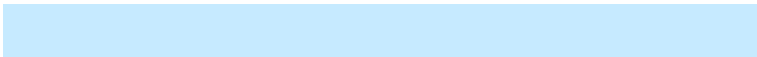
75.9775, 0.3541, 0.3505

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.



78.0714, 0.3405, 0.3600



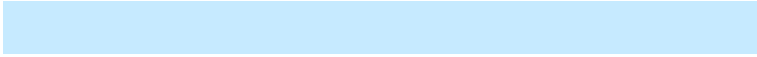
78.0714, 0.2777, 0.3064



78.0714, 0.3474, 0.3356

Square

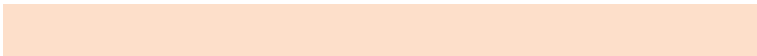
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0714, 0.2777, 0.3064



78.0714, 0.3188, 0.3065



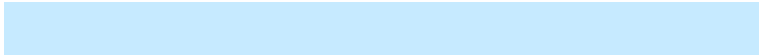
78.0714, 0.3490, 0.3504



78.0714, 0.3059, 0.3532

Rectangle

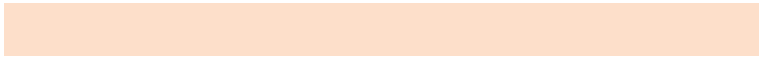
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0714, 0.2777, 0.3064



78.0714, 0.2945, 0.2979



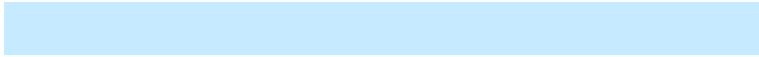
78.0714, 0.3490, 0.3504



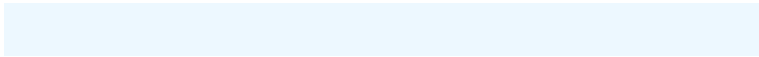
78.0714, 0.3304, 0.3619

Sweetspot

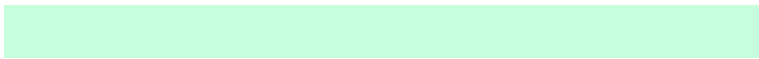
The Sweet Spot groups the original color and five complimentary colors.



78.0726, 0.2777, 0.3064



92.6501, 0.3019, 0.3225



88.6297, 0.2983, 0.3682



19.6998, 0.3009, 0.3219



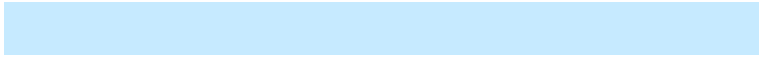
0.0000, 0.0000, 0.0000



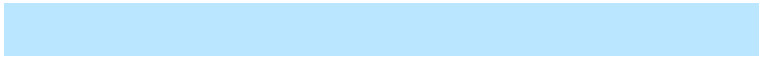
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0726, 0.2777, 0.3064



74.0823, 0.2705, 0.3011



63.1587, 0.2753, 0.2747



19.2915, 0.2979, 0.3200



17.4134, 0.1898, 0.2034



1.9043, 0.1943, 0.2193

Inverse Universe

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



67.5749, 0.3306, 0.2929



62.1351, 0.3352, 0.2851



92.0997, 0.3481, 0.3780



18.1803, 0.3195, 0.3141



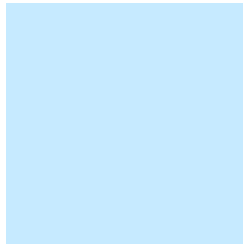
12.4859, 0.4414, 0.2205



1.2368, 0.4240, 0.2109

Previews

White Background



This preview shows how the Yxy color 78.0714, 0.2777, 0.3064 looks on a white background.

Color Contrast Check

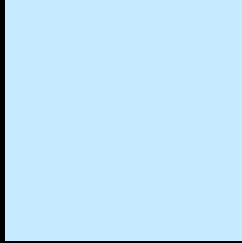
Large Text (above 18pt) WCAG AA × Fail

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 78.0714, 0.2777, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

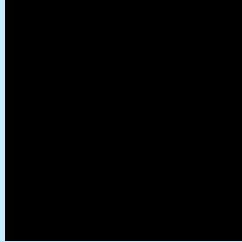
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

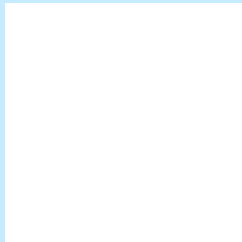
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0714, 0.2777, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 78.0714, 0.2777, 0.3064.



This preview shows how white text looks on a background with the Yxy color 78.0714, 0.2777, 0.3064.

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

78.0714, 0.2777, 0.3064

Protanopia

78.0090, 0.2977, 0.3052

Deuteranopia

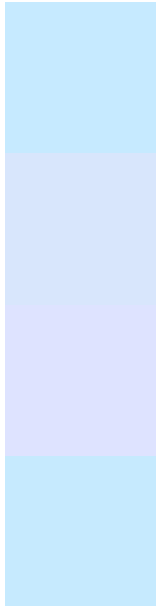
77.8282, 0.3013, 0.2967



Tritanopia

77.9433, 0.2788, 0.3085

Trichromacy



Original Color

78.0714, 0.2777, 0.3064

Protanomaly

78.2208, 0.2901, 0.3059

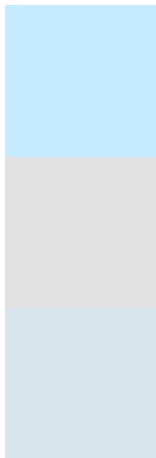
Deuteranomaly

77.6878, 0.2921, 0.3000

Tritanomaly

78.0072, 0.2783, 0.3075

Monochromacy



Original Color

78.0714, 0.2777, 0.3064

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.7520, 0.2990, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0714, 0.2777, 0.3064 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(198, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 234, 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(198, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.0714, 0.2777, 0.3064 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(198, 234, 255) }
```

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

```
.border{ border-color:rgb(198, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0714, 0.2777, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 234, 255) }
```

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

```
.background{ background-color: rgb(198,  
234, 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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