

Converting Colors

$Yxy(78.1077, 0.2768, 0.3069)$

Have a look what the booklet for
Yxy(78.1077, 0.2768, 0.3069)
contains.

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Color

Yxy(77.8014, 0.2766, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	C4EAFF
RGB	196, 234, 255
RGB Percent	77%, 92%, 100%
CMY	0.2313, 0.0823, 0.0002
CMYK	0.23, 0.08, 0.00, 0.00
HSL	201°, 100%, 88%
HSV	201°, 23%, 100%
XYZ	70.2346, 77.8014, 105.8851
YIQ	225.0320, -29.3890, -1.5250

Conversions

Conversions Part 2

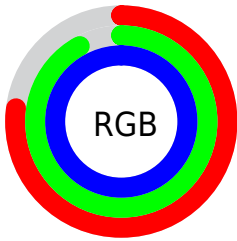
Format	Color
R _Y B	196, 219, 255
Decimal	12905215
CIE Lab	90.69, -7.83, -14.20
CIE LCh	91, 16.216, 241.128
Yxy	77.8014, 0.2766, 0.3064
Android (android.graphics.Color)	4291095295 (0xFFC4EAFF)
YUV	225.0320, 14.7742, -25.4611
Hunter-Lab	88.2051, -12.2258, -9.4306

Details

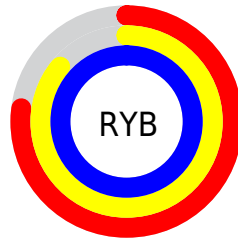
The Yxy color **77.8014, 0.2766, 0.3064** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8463, 0.3559, 0.3505**, and the grayscale version is **75.2292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **41.5807, 0.2685, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **69.6418, 0.2611, 0.2950**, and if you desaturate by 10%, it is **86.8122, 0.2923, 0.3168**.

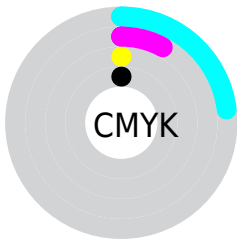
Distribution



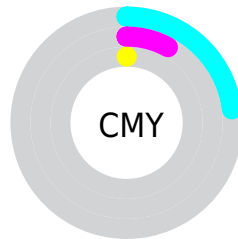
- Red (77%)
- Green (92%)
- Blue (100%)



- Red (77%)
- Yellow (86%)
- Blue (100%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8014, 0.2766, 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 77.8014, 0.2766, 0.3064 by changing the saturation by 10% instead.

■ 77.8014, 0.2766,
0.3064

■ 77.8014, 0.2766,
0.3064

■ 487.4921, 0.2929,
0.3169

■ 57.9108, 0.2730,
0.3040

■ 130.2701, 0.2822,
0.3100

■ 41.7370, 0.2685,
0.3011

■ 163.6171, 0.2844,
0.3114

■ 28.8954, 0.2630,
0.2973

■ 202.2183, 0.2863,
0.3127

■ 19.0017, 0.2559,
0.2925

■ 246.4582, 0.2879,
0.3137

■ 11.6715, 0.2464,
0.2859

■ 296.7211, 0.2894,
0.3147

■ 6.5204, 0.2333,
0.2765

■ 353.3915, 0.2907,

■ 3.1640, 0.2139,

0.3155

0.2621

416.8537, 0.2919,
0.3162

1.2180, 0.1828,
0.2376

0.0763, 0.0000,
0.0660

77.8014, 0.2766,
0.3064

77.8014, 0.2766,
0.3064

69.6418, 0.2611,
0.2950

86.8122, 0.2923,
0.3168

62.2906, 0.2463,
0.2828

96.6959, 0.3079,
0.3263

55.7151, 0.2324,
0.2698

99.9972, 0.3127,
0.3290

49.8761, 0.2199,
0.2563

■ 44.7299, 0.2092,
0.2424

■ 40.2263, 0.2005,
0.2286

■ 36.3055, 0.1940,
0.2149

■ 33.8878, 0.1905,
0.2057

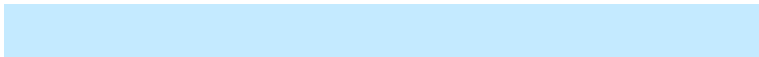
Harmonies

Analogous

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



77.8014, 0.2786, 0.3214



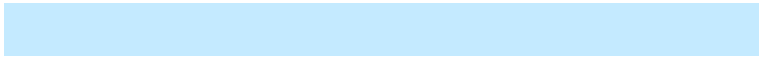
77.8014, 0.2766, 0.3064



77.8014, 0.2839, 0.2980

Triad

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



77.8014, 0.2766, 0.3064



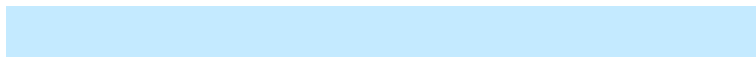
77.8014, 0.3361, 0.3187



77.8014, 0.3259, 0.3623

Complementary

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



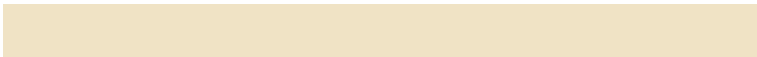
77.8014, 0.2766, 0.3064



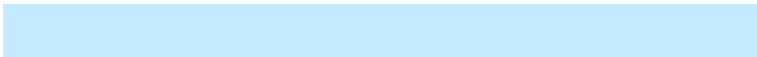
74.8463, 0.3559, 0.3505

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.



77.8014, 0.3419, 0.3605



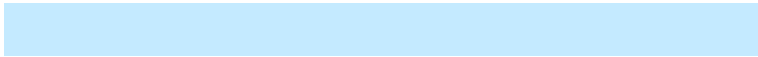
77.8014, 0.2766, 0.3064



77.8014, 0.3480, 0.3349

Square

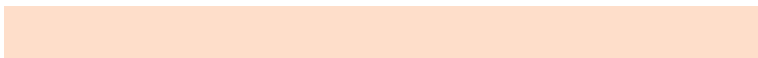
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



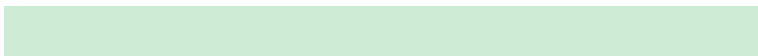
77.8014, 0.2766, 0.3064



77.8014, 0.3179, 0.3053



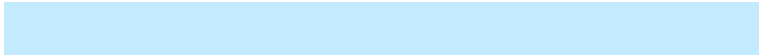
77.8014, 0.3502, 0.3502



77.8014, 0.3067, 0.3545

Rectangle

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



77.8014, 0.2766, 0.3064



77.8014, 0.2932, 0.2970



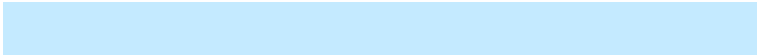
77.8014, 0.3502, 0.3502



77.8014, 0.3318, 0.3628

Sweetspot

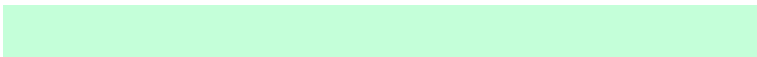
The Sweet Spot groups the original color and five complimentary colors.



77.8046, 0.2766, 0.3064



92.7889, 0.3019, 0.3227



88.2215, 0.2984, 0.3708



19.7320, 0.3009, 0.3221



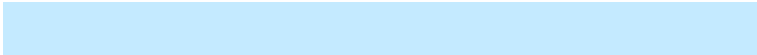
0.0000, 0.0000, 0.0000



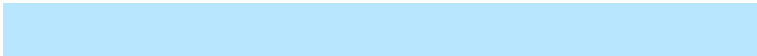
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8046, 0.2766, 0.3064



73.7441, 0.2690, 0.3010



62.5496, 0.2740, 0.2737



19.3313, 0.2980, 0.3203



18.0060, 0.1911, 0.2079



1.9595, 0.1954, 0.2233

Inverse Universe

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



66.6799, 0.3308, 0.2909



61.0669, 0.3356, 0.2825



91.2197, 0.3496, 0.3788



18.1843, 0.3193, 0.3138



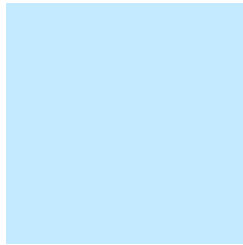
12.5457, 0.4364, 0.2178



1.2424, 0.4197, 0.2086

Previews

White Background



This preview shows how the Yxy color 77.8014, 0.2766, 0.3064 looks on a white background.

Color Contrast Check

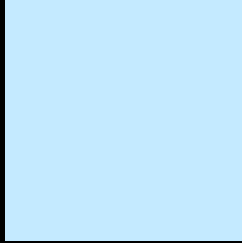
Large Text (above 18pt) WCAG AA × Fail

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 77.8014, 0.2766, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

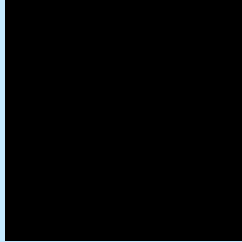
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

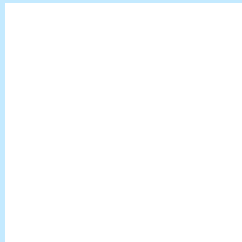
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8014, 0.2766, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 77.8014, 0.2766, 0.3064.



This preview shows how white text looks on a background with the Yxy color 77.8014, 0.2766, 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

77.8014, 0.2766, 0.3064

Protanopia

77.3024, 0.2970, 0.3041

Deuteranopia

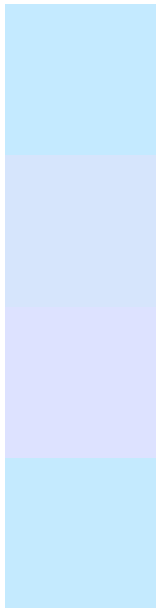
77.1247, 0.3006, 0.2956



Tritanopia

77.6732, 0.2776, 0.3084

Trichromacy



Original Color

77.8014, 0.2766, 0.3064

Protanomaly

77.3630, 0.2888, 0.3048

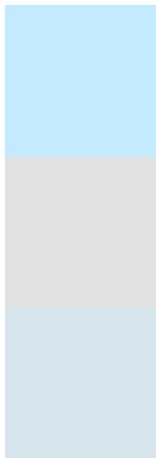
Deuteranomaly

76.9849, 0.2914, 0.2989

Tritanomaly

77.7372, 0.2771, 0.3074

Monochromacy



Original Color

77.8014, 0.2766, 0.3064

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.8391, 0.2983, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8014, 0.2766, 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(196, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8014, 0.2766, 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(196, 234, 255) }
```

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

```
.border{ border-color:rgb(196, 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(196, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8014, 0.2766, 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(196, 234, 255) }
```

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

```
.background{ background-color: rgb(196,  
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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