

Converting Colors

$Yxy(78.4833, 0.2714, 0.2973)$

Have a look what the booklet for
Yxy(78.4833, 0.2714, 0.2973)
contains.

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Color

Yxy(77.6677, 0.2760, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	C3EAFF
RGB	195, 234, 255
RGB Percent	76%, 92%, 100%
CMY	0.2352, 0.0824, 0.0000
CMYK	0.24, 0.08, 0.00, 0.00
HSL	201°, 100%, 88%
HSV	201°, 24%, 100%
XYZ	69.9846, 77.6677, 105.9151
YIQ	224.7330, -29.9850, -1.7370

Conversions

Conversions Part 2

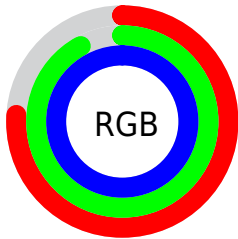
Format	Color
R_{YB}	195, 219, 255
Decimal	12839679
CIE _{Lab}	90.63, -8.10, -14.32
CIE _{LCh}	91, 16.458, 240.503
Yxy	77.6677, 0.2760, 0.3063
Android (android.graphics.Color)	4291029759 (0xFFC3EAF _F)
YUV	224.7330, 14.9216, -26.0758
Hunter-Lab	88.1293, -12.4771, -9.5651

Details

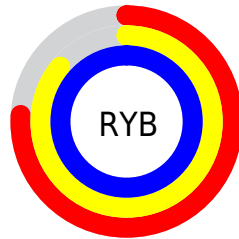
The Yxy color **77.6677, 0.2760, 0.3063** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.3307, 0.3569, 0.3506**, and the grayscale version is **75.0056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **41.4935, 0.2678, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **69.6003, 0.2606, 0.2951**, and if you desaturate by 10%, it is **86.5769, 0.2917, 0.3166**.

Distribution



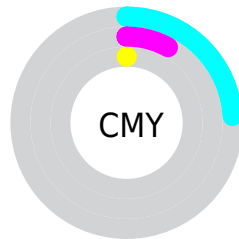
- Red (76%)
- Green (92%)
- Blue (100%)



- Red (76%)
- Yellow (86%)
- Blue (100%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6677, 0.2760, 0.3063 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 77.6677, 0.2760, 0.3063 by changing the saturation by 10% instead.

■ 77.6677, 0.2760,
0.3063

■ 77.6677, 0.2760,
0.3063

■ 487.0376, 0.2926,
0.3168

■ 57.8010, 0.2723,
0.3039

■ 130.0816, 0.2817,
0.3100

■ 41.6487, 0.2678,
0.3009

■ 163.3976, 0.2839,
0.3114

■ 28.8263, 0.2622,
0.2972

■ 201.9655, 0.2858,
0.3126

■ 18.9495, 0.2549,
0.2923

■ 246.1697, 0.2875,
0.3137

■ 11.6338, 0.2454,
0.2857

■ 296.3947, 0.2890,
0.3146

■ 6.4948, 0.2320,
0.2762

■ 353.0247, 0.2903,

■ 3.1482, 0.2123,

0.3154

0.2616

416.4442, 0.2915,
0.3162

1.2096, 0.1807,
0.2368

0.0695, 0.0000,
0.0604

77.6677, 0.2760,
0.3063

77.6677, 0.2760,
0.3063

69.6003, 0.2606,
0.2951

86.5769, 0.2917,
0.3166

62.3334, 0.2458,
0.2830

96.3507, 0.3073,
0.3259

55.8339, 0.2321,
0.2702

100.0000, 0.3127,
0.3290

50.0624, 0.2197,
0.2569

■ 44.9753, 0.2092,
0.2432

■ 40.5223, 0.2006,
0.2296

■ 36.6431, 0.1942,
0.2162

■ 34.3806, 0.1910,
0.2076

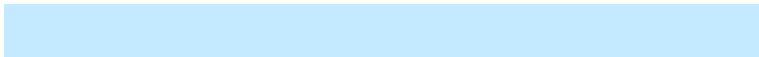
Harmonies

Analogous

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



77.6677, 0.2783, 0.3216



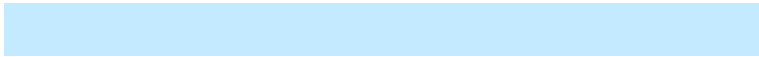
77.6677, 0.2760, 0.3063



77.6677, 0.2832, 0.2977

Triad

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



77.6677, 0.2760, 0.3063



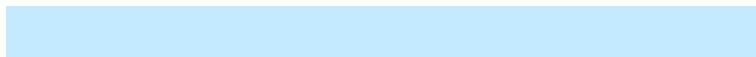
77.6677, 0.3361, 0.3182



77.6677, 0.3265, 0.3629

Complementary

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



77.6677, 0.2760, 0.3063



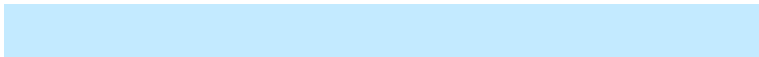
74.3307, 0.3569, 0.3506

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.



77.6677, 0.3426, 0.3608



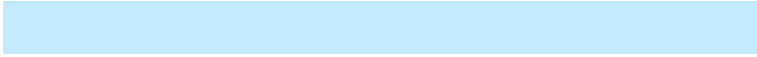
77.6677, 0.2760, 0.3063



77.6677, 0.3484, 0.3346

Square

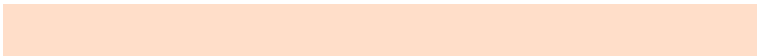
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



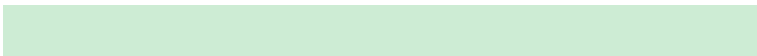
77.6677, 0.2760, 0.3063



77.6677, 0.3176, 0.3047



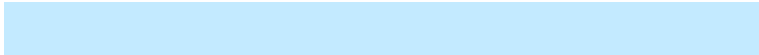
77.6677, 0.3508, 0.3502



77.6677, 0.3070, 0.3552

Rectangle

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



77.6677, 0.2760, 0.3063



77.6677, 0.2925, 0.2965



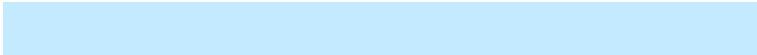
77.6677, 0.3508, 0.3502



77.6677, 0.3325, 0.3633

Sweetspot

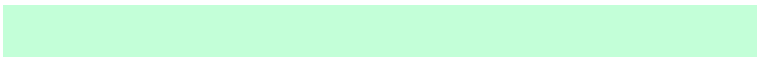
The Sweet Spot groups the original color and five complimentary colors.



77.6704, 0.2760, 0.3063



92.8463, 0.3019, 0.3228



88.0852, 0.2982, 0.3716



19.7453, 0.3009, 0.3223



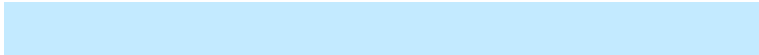
0.0000, 0.0000, 0.0000



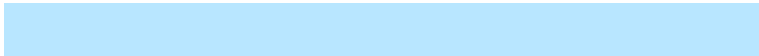
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6704, 0.2760, 0.3063



73.9512, 0.2690, 0.3014



62.0246, 0.2733, 0.2726



19.3478, 0.2980, 0.3205



18.2555, 0.1916, 0.2098



1.9826, 0.1958, 0.2250

Inverse Universe

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



66.2446, 0.3309, 0.2899



61.0878, 0.3353, 0.2822



91.1159, 0.3503, 0.3797



18.1860, 0.3192, 0.3137



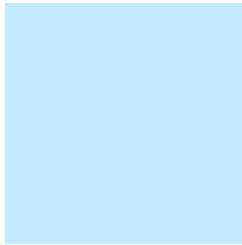
12.5709, 0.4343, 0.2166



1.2447, 0.4180, 0.2076

Previews

White Background



This preview shows how the Yxy color 77.6677, 0.2760, 0.3063 looks on a white background.

Color Contrast Check

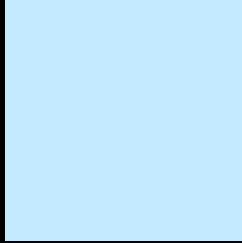
Large Text (above 18pt) WCAG AA × Fail

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 77.6677, 0.2760, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

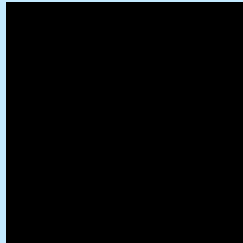
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

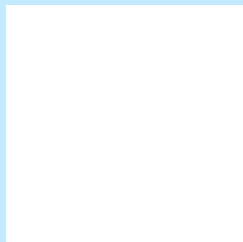
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6677, 0.2760, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 77.6677, 0.2760, 0.3063.

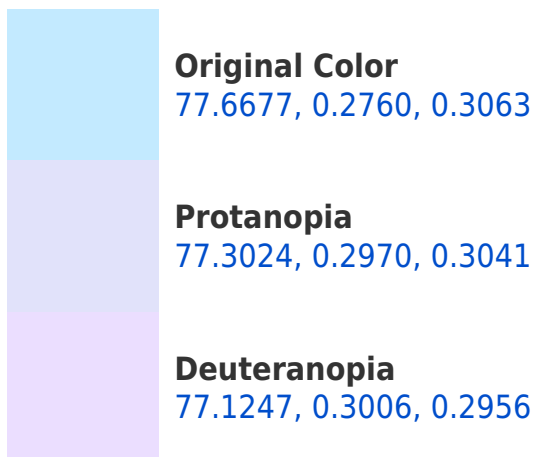


This preview shows how white text looks on a background with the Yxy color 77.6677, 0.2760, 0.3063.

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

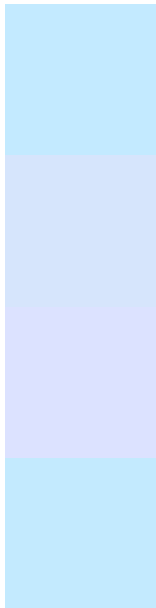




Tritanopia

77.5396, 0.2771, 0.3084

Trichromacy



Original Color

77.6677, 0.2760, 0.3063

Protanomaly

77.3630, 0.2888, 0.3048

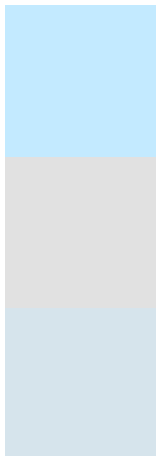
Deuteranomaly

76.8284, 0.2908, 0.2988

Tritanomaly

77.6035, 0.2765, 0.3074

Monochromacy



Original Color

77.6677, 0.2760, 0.3063

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 77.6677, 0.2760, 0.3063 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(195, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.6677, 0.2760, 0.3063 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(195, 234, 255) }
```

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

```
.border{ border-color:rgb(195, 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(195, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6677, 0.2760, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 234, 255) }
```

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

```
.background{ background-color: rgb(195,  
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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