

Converting Colors

$Yxy(78.0374, 0.2751, 0.3074)$

Have a look what the booklet for
Yxy(78.0374, 0.2751, 0.3074)
contains.

Yxy(77.9741, 0.2749, 0.3073)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.9741, 0.2749, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	C1EBFF
RGB	193, 235, 255
RGB Percent	76%, 92%, 100%
CMY	0.2432, 0.0784, 0.0000
CMYK	0.24, 0.08, 0.00, 0.00
HSL	199°, 100%, 88%
HSV	199°, 24%, 100%
XYZ	69.7529, 77.9741, 106.0123
YIQ	224.7220, -31.4520, -2.6840

Conversions

Conversions Part 2

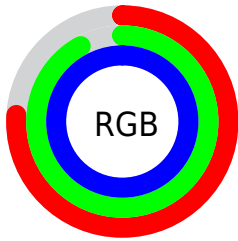
Format	Color
R_{YB}	193, 218, 255
Decimal	12708863
CIE _{Lab}	90.77, -9.21, -14.14
CIE _{LCh}	91, 16.876, 236.941
Yxy	77.9741, 0.2749, 0.3073
Android (android.graphics.Color)	4290898943 (0xFFC1EBFF)
YUV	224.7220, 14.9271, -27.8202
Hunter-Lab	88.3029, -13.5281, -9.3687

Details

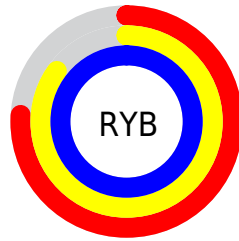
The Yxy color **77.9741, 0.2749, 0.3073** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.6919, 0.3591, 0.3497**, and the grayscale version is **74.9916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **41.7207, 0.2665, 0.3022** is the 20% darker color. If you saturate the color by 10%, you get **70.3070, 0.2598, 0.2970**, and if you desaturate by 10%, it is **86.4381, 0.2904, 0.3169**.

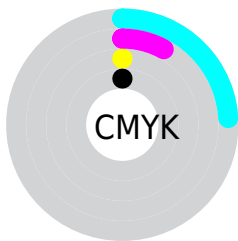
Distribution



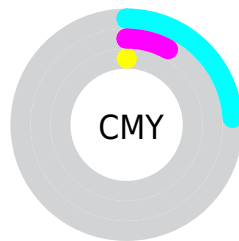
- Red (76%)
- Green (92%)
- Blue (100%)



- Red (76%)
- Yellow (85%)
- 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 77.9741, 0.2749, 0.3073 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 77.9741, 0.2749, 0.3073 by changing the saturation by 10% instead.

■ 77.9741, 0.2749,
0.3073

■ 77.9741, 0.2749,
0.3073

488.0789, 0.2920,
0.3174

■ 58.0527, 0.2711,
0.3050

■ 130.5136, 0.2807,
0.3108

■ 41.8510, 0.2665,
0.3021

163.9005, 0.2830,
0.3122

■ 28.9847, 0.2607,
0.2985

202.5447, 0.2850,
0.3133

■ 19.0692, 0.2533,
0.2938

246.8306, 0.2867,
0.3144

■ 11.7203, 0.2435,
0.2874

297.1425, 0.2883,
0.3153

■ 6.5535, 0.2298,
0.2782

353.8650, 0.2896,

■ 3.1845, 0.2098,

0.3161

0.2641

417.3823, 0.2909,
0.3168

1.2288, 0.1777,
0.2399

0.0850, 0.0000,
0.0726

77.9741, 0.2749,
0.3073

77.9741, 0.2749,
0.3073

70.3070, 0.2598,
0.2970

86.4381, 0.2904,
0.3169

63.4022, 0.2454,
0.2859

95.7271, 0.3060,
0.3255

57.2249, 0.2321,
0.2741

100.0000, 0.3127,
0.3290

51.7367, 0.2203,
0.2619

■ 46.8942, 0.2103,
0.2494

■ 42.6475, 0.2023,
0.2370

■ 38.9362, 0.1965,
0.2247

■ 37.0183, 0.1938,
0.2178

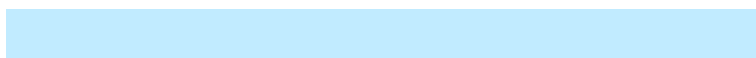
Harmonies

Analogous

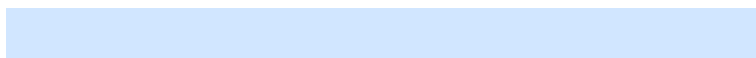
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9741, 0.2784, 0.3236



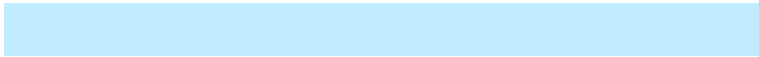
77.9741, 0.2749, 0.3073



77.9741, 0.2811, 0.2975

Triad

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



77.9741, 0.2749, 0.3073



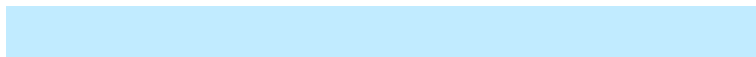
77.9741, 0.3347, 0.3161



77.9741, 0.3290, 0.3640

Complementary

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



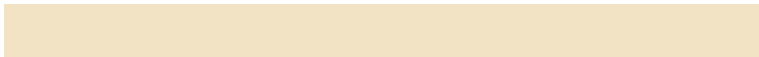
77.9741, 0.2749, 0.3073



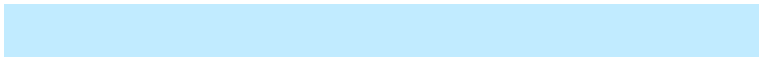
72.6919, 0.3591, 0.3497

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.



77.9741, 0.3448, 0.3607



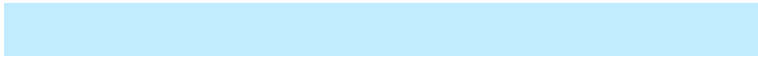
77.9741, 0.2749, 0.3073



77.9741, 0.3483, 0.3327

Square

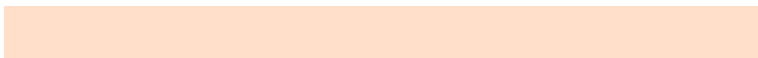
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



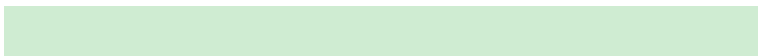
77.9741, 0.2749, 0.3073



77.9741, 0.3153, 0.3029



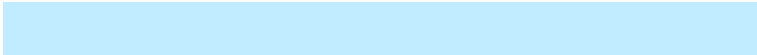
77.9741, 0.3520, 0.3490



77.9741, 0.3092, 0.3573

Rectangle

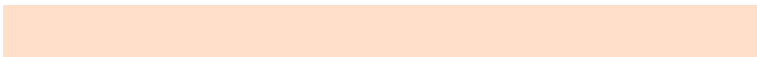
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9741, 0.2749, 0.3073



77.9741, 0.2901, 0.2956



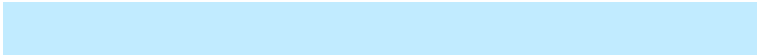
77.9741, 0.3520, 0.3490



77.9741, 0.3350, 0.3640

Sweetspot

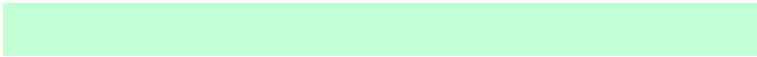
The Sweet Spot groups the original color and five complimentary colors.



77.9748, 0.2749, 0.3073



93.1525, 0.3019, 0.3233



87.6414, 0.2988, 0.3757



19.8163, 0.3009, 0.3228



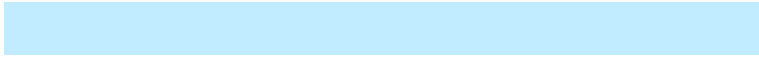
0.0000, 0.0000, 0.0000



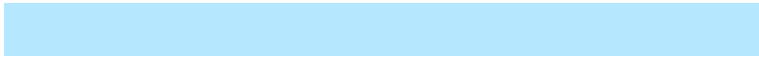
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9748, 0.2749, 0.3073



74.2872, 0.2678, 0.3026



61.9128, 0.2720, 0.2728



19.4358, 0.2980, 0.3212



19.6253, 0.1944, 0.2198



2.1091, 0.1983, 0.2337

Inverse Universe

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



65.3942, 0.3304, 0.2869



60.1062, 0.3346, 0.2785



89.5897, 0.3521, 0.3795



18.1948, 0.3188, 0.3130



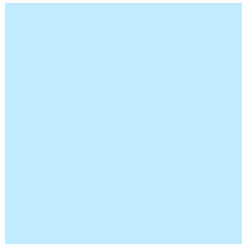
12.7092, 0.4235, 0.2106



1.2575, 0.4088, 0.2025

Previews

White Background



This preview shows how the Yxy color 77.9741, 0.2749, 0.3073 looks on a white background.

Color Contrast Check

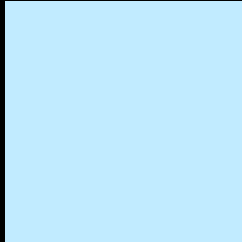
Large Text (above 18pt) WCAG AA × Fail

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 77.9741, 0.2749, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

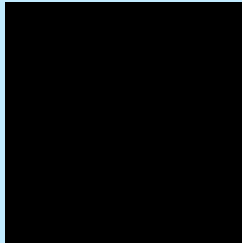
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9741, 0.2749, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 77.9741, 0.2749, 0.3073.

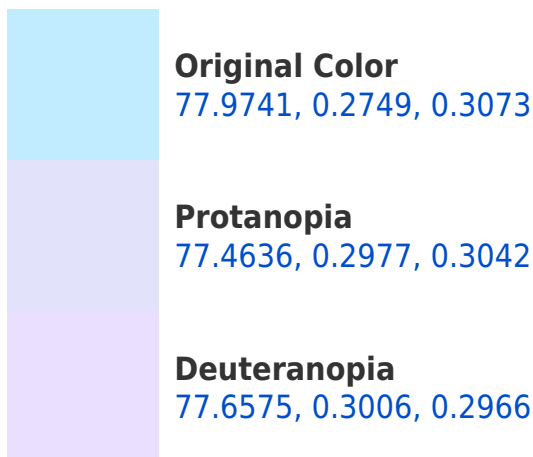


This preview shows how white text looks on a background with the Yxy color 77.9741, 0.2749, 0.3073.

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

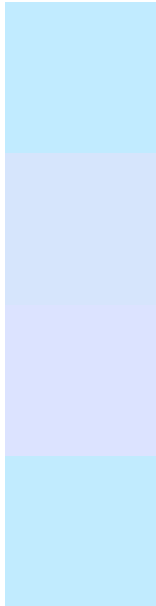




Tritanopia

77.9099, 0.2755, 0.3084

Trichromacy



Original Color

77.9741, 0.2749, 0.3073

Protanomaly

77.3630, 0.2888, 0.3048

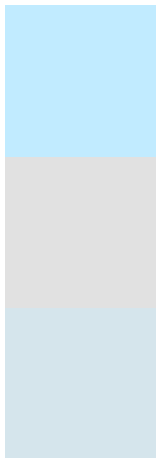
Deuteranomaly

77.3738, 0.2908, 0.2999

Tritanomaly

77.9099, 0.2755, 0.3084

Monochromacy



Original Color

77.9741, 0.2749, 0.3073

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.2409, 0.2976, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9741, 0.2749, 0.3073 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(193, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 235, 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(193, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.9741, 0.2749, 0.3073 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(193, 235, 255) }
```

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

```
.border{ border-color:rgb(193, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9741, 0.2749, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 235, 255) }
```

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

```
.background{ background-color: rgb(193,  
235, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor