

Converting Colors

$Yxy(78.3282, 0.2739, 0.3085)$

Have a look what the booklet for
Yxy(78.3282, 0.2739, 0.3085)
contains.

Yxy(78.2873, 0.2739, 0.3084)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.2873, 0.2739, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	BFECFF
RGB	191, 236, 255
RGB Percent	75%, 93%, 100%
CMY	0.2509, 0.0745, 0.0001
CMYK	0.25, 0.07, 0.00, 0.00
HSL	198°, 100%, 87%
HSV	198°, 25%, 100%
XYZ	69.5295, 78.2873, 106.0331
YIQ	224.7110, -32.9190, -3.6310

Conversions

Conversions Part 2

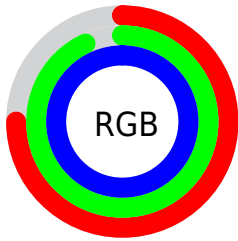
Format	Color
R_{YB}	191, 217, 255
Decimal	12578047
CIE _{Lab}	90.91, -10.30, -13.91
CIE _{LCh}	91, 17.311, 233.474
Yxy	78.2873, 0.2739, 0.3084
Android (android.graphics.Color)	4290768127 (0xFFBFECFF)
YUV	224.7110, 14.9325, -29.5645
Hunter-Lab	88.4801, -14.5712, -9.1161

Details

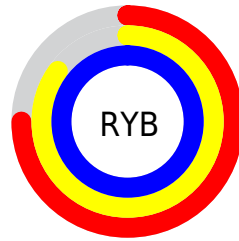
The Yxy color **78.2873, 0.2739, 0.3084** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1015, 0.3613, 0.3487**, and the grayscale version is **74.9876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **41.9540, 0.2653, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **71.0042, 0.2590, 0.2989**, and if you desaturate by 10%, it is **86.3365, 0.2893, 0.3172**.

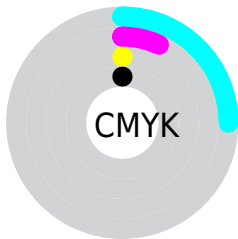
Distribution



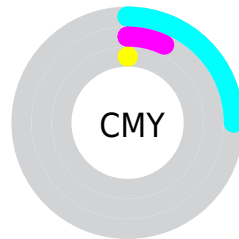
- Red (75%)
- Green (93%)
- Blue (100%)



- Red (75%)
- Yellow (85%)
- Blue (100%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2873, 0.2739, 0.3084 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 78.2873, 0.2739, 0.3084 by changing the saturation by 10% instead.

 78.2873, 0.2739,
0.3084

 78.2873, 0.2739,
0.3084

489.1420, 0.2914,
0.3180

 58.3100, 0.2700,
0.3062


 130.9550, 0.2799,
0.3117

 42.0579, 0.2653,
0.3035


164.4143, 0.2822,
0.3130

 29.1467, 0.2594,
0.3000


203.1363, 0.2843,
0.3142

 19.1918, 0.2518,
0.2955

247.5055, 0.2860,
0.3151

 11.8089, 0.2418,
0.2893

297.9063, 0.2876,
0.3160

 6.6137, 0.2279,
0.2805

354.7230, 0.2890,

 3.2217, 0.2075,

0.3167

0.2668

418.3401, 0.2903,
0.3174

1.2486, 0.1749,
0.2433

0.1008, 0.0000,
0.0849

78.2873, 0.2739,
0.3084

78.2873, 0.2739,
0.3084

71.0042, 0.2590,
0.2989

86.3365, 0.2893,
0.3172

64.4458, 0.2449,
0.2886

95.1722, 0.3048,
0.3252

58.5803, 0.2321,
0.2779

99.9985, 0.3127,
0.3290

53.3694, 0.2208,
0.2667

■ 48.7703, 0.2113,
0.2553

■ 44.7331, 0.2039,
0.2439

■ 41.1972, 0.1986,
0.2327

■ 39.6019, 0.1965,
0.2272

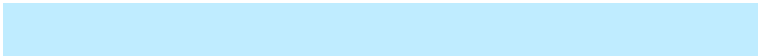
Harmonies

Analogous

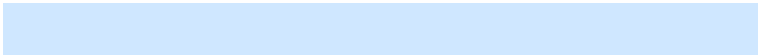
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2873, 0.2786, 0.3256



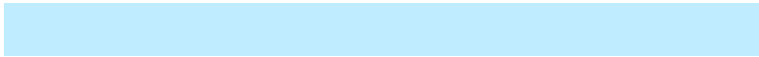
78.2873, 0.2739, 0.3084



78.2873, 0.2792, 0.2975

Triad

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



78.2873, 0.2739, 0.3084



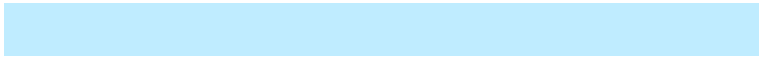
78.2873, 0.3331, 0.3140



78.2873, 0.3316, 0.3650

Complementary

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



78.2873, 0.2739, 0.3084



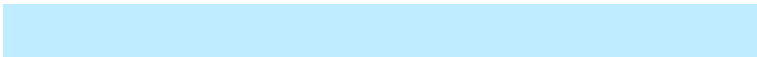
71.1015, 0.3613, 0.3487

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.



78.2873, 0.3470, 0.3605



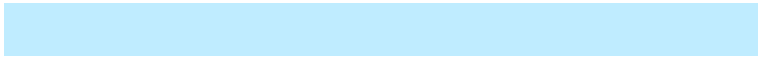
78.2873, 0.2739, 0.3084



78.2873, 0.3480, 0.3308

Square

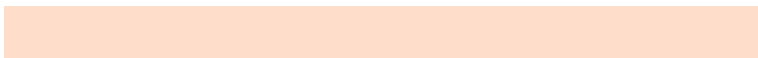
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



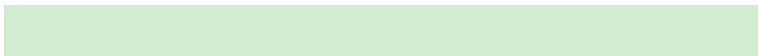
78.2873, 0.2739, 0.3084



78.2873, 0.3129, 0.3011



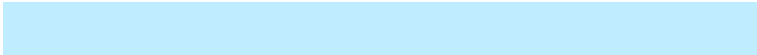
78.2873, 0.3531, 0.3477



78.2873, 0.3115, 0.3593

Rectangle

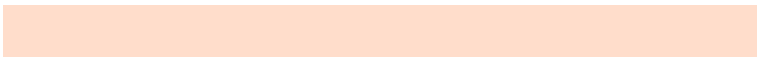
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2873, 0.2739, 0.3084



78.2873, 0.2877, 0.2949



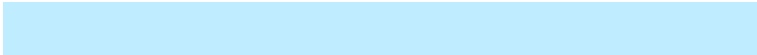
78.2873, 0.3531, 0.3477



78.2873, 0.3375, 0.3646

Sweetspot

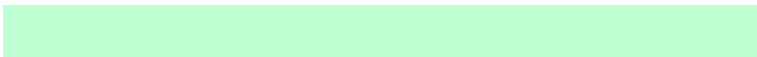
The Sweet Spot groups the original color and five complimentary colors.



78.2905, 0.2739, 0.3084



92.5345, 0.3003, 0.3230



87.1929, 0.2995, 0.3798



19.5182, 0.2980, 0.3218



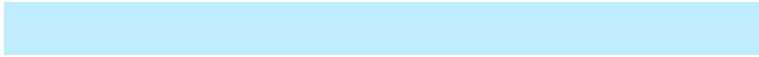
0.0000, 0.0000, 0.0000



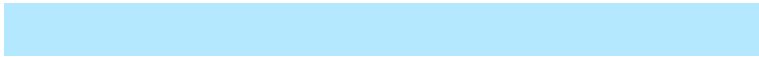
21.4041, 0.3127, 0.3290

Same Dimension

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



78.2905, 0.2739, 0.3084



74.6333, 0.2665, 0.3038



61.8966, 0.2708, 0.2732



19.5182, 0.2980, 0.3218



20.9697, 0.1970, 0.2291



2.2322, 0.2005, 0.2419

Inverse Universe

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



64.5782, 0.3298, 0.2839



59.1441, 0.3339, 0.2748



87.9977, 0.3539, 0.3792



18.2032, 0.3184, 0.3124



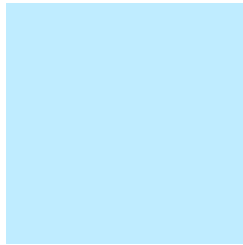
12.8449, 0.4136, 0.2052



1.2699, 0.4004, 0.1979

Previews

White Background



This preview shows how the Yxy color 78.2873, 0.2739, 0.3084 looks on a white background.

Color Contrast Check

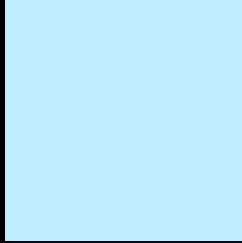
Large Text (above 18pt) WCAG AA × Fail

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 78.2873, 0.2739, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

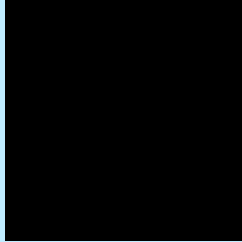
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

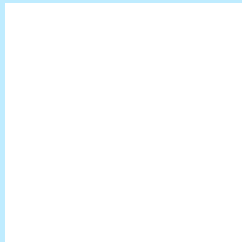
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2873, 0.2739, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 78.2873, 0.2739, 0.3084.

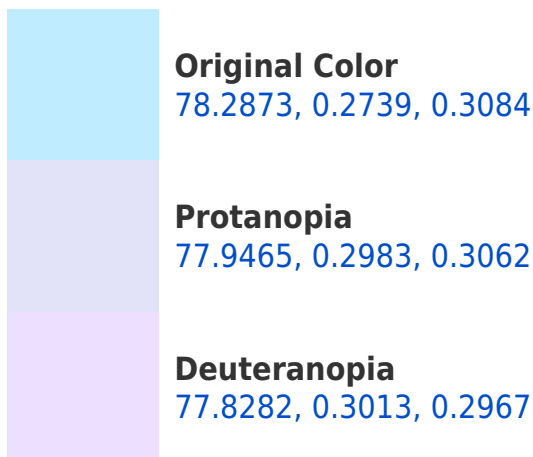


This preview shows how white text looks on a background with the Yxy color 78.2873, 0.2739, 0.3084.

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

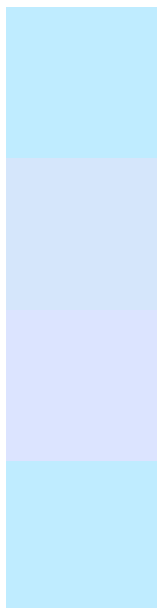




Tritanopia

78.2873, 0.2739, 0.3084

Trichromacy



Original Color

78.2873, 0.2739, 0.3084

Protanomaly

77.7048, 0.2888, 0.3068

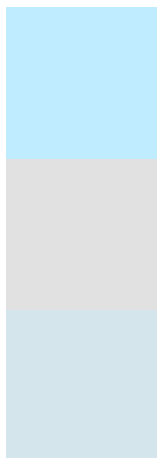
Deuteranomaly

77.9224, 0.2909, 0.3010

Tritanomaly

78.2873, 0.2739, 0.3084

Monochromacy



Original Color

78.2873, 0.2739, 0.3084

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 78.2873, 0.2739, 0.3084 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(191, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 236, 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(191, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.2873, 0.2739, 0.3084 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(191, 236, 255) }
```

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

```
.border{ border-color:rgb(191, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2873, 0.2739, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 236, 255) }
```

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

```
.background{ background-color: rgb(191,  
236, 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