

Converting Colors

Yxy(84.7507, 0.2306, 0.2233)

Have a look what the booklet for
Yxy(84.7507, 0.2306, 0.2233)
contains.

Yxy(77.3280, 0.2721, 0.3072)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.3280, 0.2721, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	BCEBFF
RGB	188, 235, 255
RGB Percent	74%, 92%, 100%
CMY	0.2627, 0.0784, 0.0001
CMYK	0.26, 0.08, 0.00, 0.00
HSL	198°, 100%, 87%
HSV	198°, 26%, 100%
XYZ	68.4927, 77.3280, 105.8981
YIQ	223.2270, -34.4320, -3.7440

Conversions

Conversions Part 2

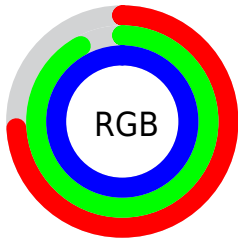
Format	Color
R _Y B	188, 216, 255
Decimal	12381183
CIE Lab	90.47, -10.66, -14.58
CIE LCh	90, 18.065, 233.823
Yxy	77.3280, 0.2721, 0.3072
Android (android.graphics.Color)	4290571263 (0xFFBCEBFF)
YUV	223.2270, 15.6641, -30.8941
Hunter-Lab	87.9363, -14.8569, -9.8450

Details

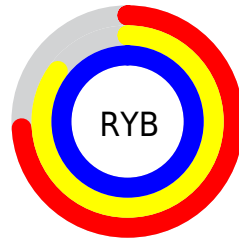
The Yxy color **77.3280, 0.2721, 0.3072** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9782, 0.3641, 0.3498**, and the grayscale version is **73.8671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **41.3040, 0.2631, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **70.1143, 0.2573, 0.2975**, and if you desaturate by 10%, it is **85.3058, 0.2875, 0.3161**.

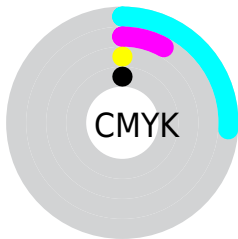
Distribution



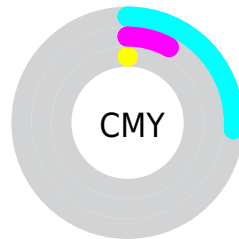
- Red (74%)
- Green (92%)
- Blue (100%)



- Red (74%)
- Yellow (85%)
- Blue (100%)



- Cyan (26%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3280, 0.2721, 0.3072 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 77.3280, 0.2721, 0.3072 by changing the saturation by 10% instead.

■ 77.3280, 0.2721,
0.3072

■ 77.3280, 0.2721,
0.3072

■ 485.8816, 0.2904,
0.3174

■ 57.5221, 0.2680,
0.3049

■ 129.6024, 0.2784,
0.3108

■ 41.4246, 0.2631,
0.3020

■ 162.8397, 0.2808,
0.3121

■ 28.6510, 0.2569,
0.2983

■ 201.3229, 0.2830,
0.3133

■ 18.8170, 0.2489,
0.2934

■ 245.4364, 0.2848,
0.3143

■ 11.5381, 0.2384,
0.2869

■ 295.5647, 0.2865,
0.3153

■ 6.4300, 0.2238,
0.2774

■ 352.0920, 0.2879,

■ 3.1083, 0.2023,

0.3160

0.2628

415.4029, 0.2892,
0.3168

■ 1.1885, 0.1682,
0.2376

■ 0.0523, 0.0000,
0.0462

■ 77.3280, 0.2721,
0.3072

■ 77.3280, 0.2721,
0.3072

■ 70.1143, 0.2573,
0.2975

■ 85.3058, 0.2875,
0.3161

■ 63.6231, 0.2433,
0.2872

■ 94.0687, 0.3030,
0.3243

■ 57.8223, 0.2306,
0.2763

99.9982, 0.3127,
0.3290

■ 52.6730, 0.2195,
0.2650

■ 48.1316, 0.2103,
0.2536

■ 44.1473, 0.2031,
0.2421

■ 40.6575, 0.1979,
0.2309

■ 39.4472, 0.1963,
0.2267

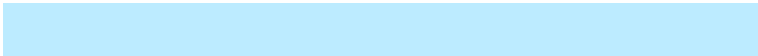
Harmonies

Analogous

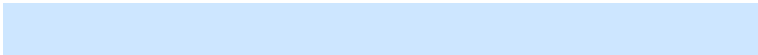
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3280, 0.2769, 0.3252



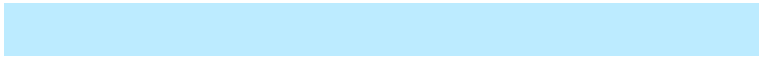
77.3280, 0.2721, 0.3072



77.3280, 0.2777, 0.2959

Triad

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



77.3280, 0.2721, 0.3072



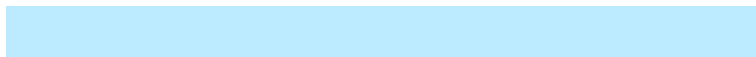
77.3280, 0.3343, 0.3135



77.3280, 0.3323, 0.3668

Complementary

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



77.3280, 0.2721, 0.3072



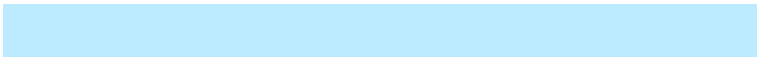
69.9782, 0.3641, 0.3498

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.



77.3280, 0.3485, 0.3620



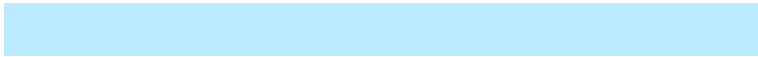
77.3280, 0.2721, 0.3072



77.3280, 0.3499, 0.3310

Square

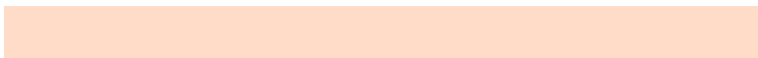
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



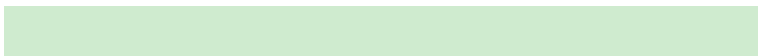
77.3280, 0.2721, 0.3072



77.3280, 0.3132, 0.3000



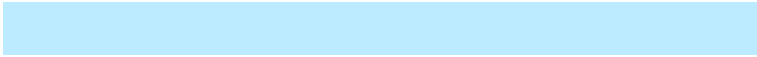
77.3280, 0.3551, 0.3487



77.3280, 0.3112, 0.3607

Rectangle

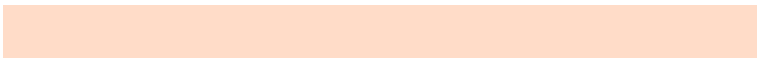
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3280, 0.2721, 0.3072



77.3280, 0.2867, 0.2933



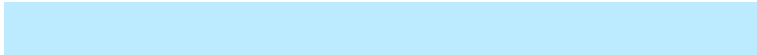
77.3280, 0.3551, 0.3487



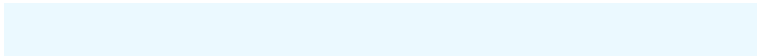
77.3280, 0.3385, 0.3664

Sweetspot

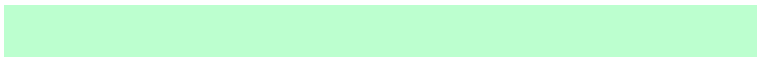
The Sweet Spot groups the original color and five complimentary colors.



77.3311, 0.2721, 0.3072



92.5157, 0.3003, 0.3229



86.6967, 0.2989, 0.3826



19.5134, 0.2980, 0.3217



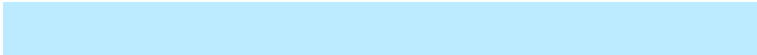
0.0000, 0.0000, 0.0000



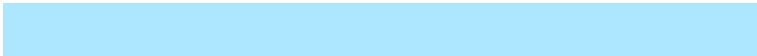
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3311, 0.2721, 0.3072



73.1214, 0.2635, 0.3017



60.3900, 0.2686, 0.2702



19.5134, 0.2980, 0.3217



20.8904, 0.1968, 0.2286



2.2249, 0.2004, 0.2414

Inverse Universe

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



63.2192, 0.3308, 0.2818



57.0521, 0.3358, 0.2712



87.4771, 0.3560, 0.3816



18.2027, 0.3184, 0.3125



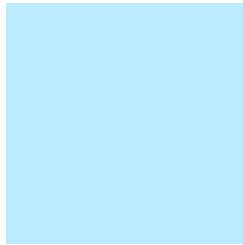
12.8369, 0.4141, 0.2055



1.2692, 0.4009, 0.1982

Previews

White Background



This preview shows how the Yxy color 77.3280, 0.2721, 0.3072 looks on a white background.

Color Contrast Check

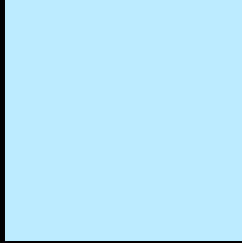
Large Text (above 18pt) WCAG AA × Fail

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 77.3280, 0.2721, 0.3072 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 77.3280, 0.2721, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 77.3280, 0.2721, 0.3072.



This preview shows how white text looks on a background with the Yxy color 77.3280, 0.2721, 0.3072.

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

77.3280, 0.2721, 0.3072

Protanopia

77.2398, 0.2976, 0.3051

Deuteranopia

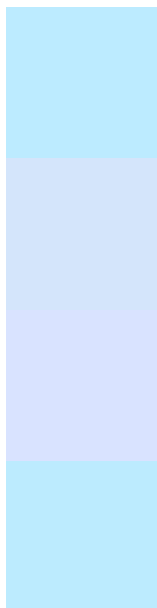
76.9550, 0.2999, 0.2955



Tritanopia

77.2638, 0.2726, 0.3082

Trichromacy



Original Color

77.3280, 0.2721, 0.3072

Protanomaly

77.0007, 0.2882, 0.3057

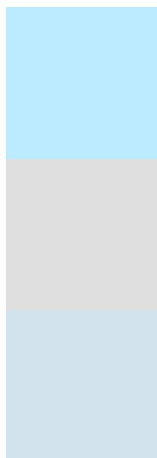
Deuteranomaly

76.9099, 0.2889, 0.2997

Tritanomaly

77.2638, 0.2726, 0.3082

Monochromacy



Original Color

77.3280, 0.2721, 0.3072

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.6380, 0.2963, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3280, 0.2721, 0.3072 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(188, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.3280, 0.2721, 0.3072 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(188, 235, 255) }
```

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

```
.border{ border-color:rgb(188, 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(188, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3280, 0.2721, 0.3072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 235, 255) }
```

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

```
.background{ background-color: rgb(188,  
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