

Converting Colors

$Yxy(77.9565, 0.2738, 0.3067)$

Have a look what the booklet for
Yxy(77.9565, 0.2738, 0.3067)
contains.

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Color

Yxy(77.8431, 0.2744, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	C0EBFF
RGB	192, 235, 255
RGB Percent	75%, 92%, 100%
CMY	0.2468, 0.0785, 0.0000
CMYK	0.25, 0.08, 0.00, 0.00
HSL	199°, 100%, 88%
HSV	199°, 25%, 100%
XYZ	69.5091, 77.8431, 105.9608
YIQ	224.4230, -32.0480, -2.8960

Conversions

Conversions Part 2

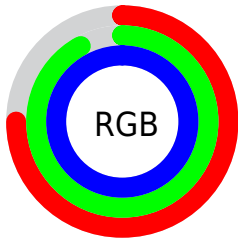
Format	Color
R _Y B	192, 218, 255
Decimal	12643327
CIE Lab	90.71, -9.47, -14.21
CIE LCh	91, 17.083, 236.317
Yxy	77.8431, 0.2744, 0.3073
Android (android.graphics.Color)	4290833407 (0xFFC0EBFF)
YUV	224.4230, 15.0745, -28.4350
Hunter-Lab	88.2287, -13.7729, -9.4459

Details

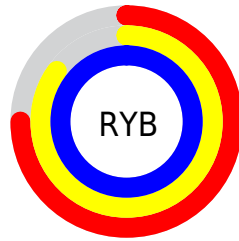
The Yxy color **77.8431, 0.2744, 0.3073** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.1942, 0.3600, 0.3497**, and the grayscale version is **74.7778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **41.6358, 0.2658, 0.3022** is the 20% darker color. If you saturate the color by 10%, you get **70.2626, 0.2593, 0.2971**, and if you desaturate by 10%, it is **86.2181, 0.2899, 0.3167**.

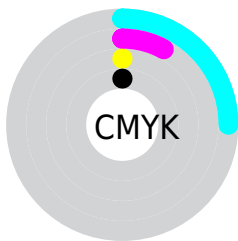
Distribution



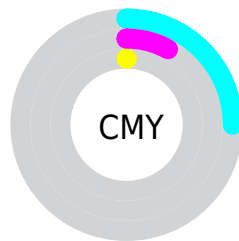
- Red (75%)
- Green (92%)
- Blue (100%)



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



- Cyan (25%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8431, 0.2744, 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 77.8431, 0.2744, 0.3073 by changing the saturation by 10% instead.

■ 77.8431, 0.2744,
0.3073

■ 77.8431, 0.2744,
0.3073

■ 487.6338, 0.2917,
0.3174

■ 57.9451, 0.2706,
0.3050

■ 130.3289, 0.2803,
0.3108

■ 41.7645, 0.2659,
0.3021

■ 163.6855, 0.2826,
0.3122

■ 28.9169, 0.2600,
0.2985

■ 202.2971, 0.2846,
0.3134

■ 19.0180, 0.2525,
0.2938

■ 246.5481, 0.2864,
0.3144

■ 11.6833, 0.2426,
0.2873

■ 296.8229, 0.2880,
0.3153

■ 6.5284, 0.2287,
0.2781

■ 353.5058, 0.2893,

■ 3.1690, 0.2084,

0.3161

0.2639

416.9813, 0.2906,
0.3168

■ 1.2206, 0.1759,
0.2395

■ 0.0784, 0.0000,
0.0675

■ 77.8431, 0.2744,
0.3073

■ 77.8431, 0.2744,
0.3073

■ 70.2626, 0.2593,
0.2971

■ 86.2181, 0.2899,
0.3167

■ 63.4348, 0.2450,
0.2861

■ 95.4086, 0.3055,
0.3253

■ 57.3274, 0.2318,
0.2745

99.9994, 0.3127,
0.3290

■ 51.9020, 0.2201,
0.2625

■ 47.1150, 0.2103,
0.2502

■ 42.9166, 0.2024,
0.2379

■ 39.2460, 0.1967,
0.2258

■ 37.4613, 0.1943,
0.2194

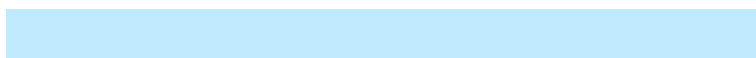
Harmonies

Analogous

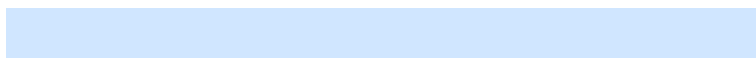
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8431, 0.2781, 0.3239



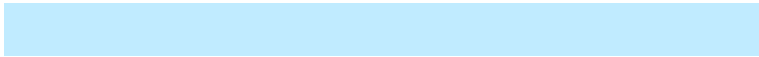
77.8431, 0.2744, 0.3073



77.8431, 0.2805, 0.2973

Triad

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



77.8431, 0.2744, 0.3073



77.8431, 0.3346, 0.3156



77.8431, 0.3296, 0.3645

Complementary

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



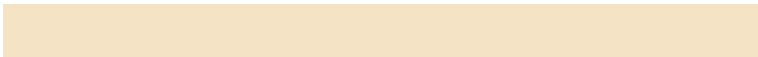
77.8431, 0.2744, 0.3073



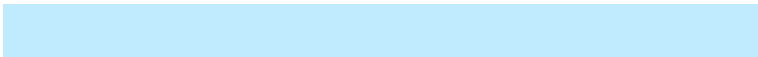
72.1942, 0.3600, 0.3497

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.



77.8431, 0.3455, 0.3609



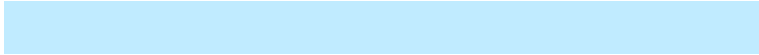
77.8431, 0.2744, 0.3073



77.8431, 0.3486, 0.3324

Square

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



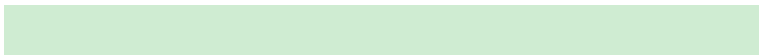
77.8431, 0.2744, 0.3073



77.8431, 0.3149, 0.3024



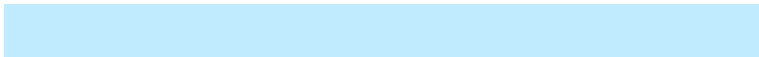
77.8431, 0.3526, 0.3489



77.8431, 0.3096, 0.3579

Rectangle

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



77.8431, 0.2744, 0.3073



77.8431, 0.2895, 0.2952



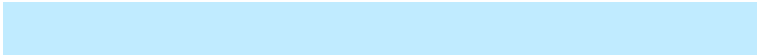
77.8431, 0.3526, 0.3489



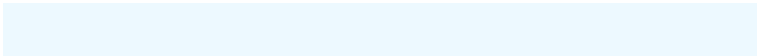
77.8431, 0.3357, 0.3644

Sweetspot

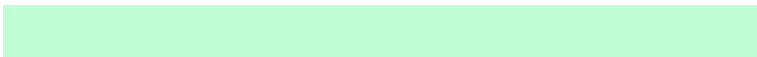
The Sweet Spot groups the original color and five complimentary colors.



77.8462, 0.2744, 0.3073



93.2028, 0.3019, 0.3234



87.4844, 0.2986, 0.3764



19.8279, 0.3009, 0.3229



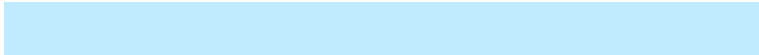
0.0000, 0.0000, 0.0000



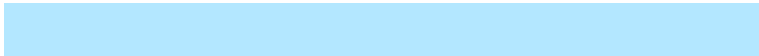
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8462, 0.2744, 0.3073



73.7161, 0.2663, 0.3019



61.4371, 0.2713, 0.2719



19.4502, 0.2980, 0.3213



19.8567, 0.1949, 0.2214



2.1303, 0.1987, 0.2351

Inverse Universe

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



64.9889, 0.3304, 0.2860



59.0515, 0.3353, 0.2764



89.4426, 0.3527, 0.3803



18.1963, 0.3187, 0.3129



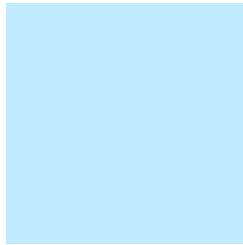
12.7325, 0.4217, 0.2097



1.2596, 0.4073, 0.2017

Previews

White Background



This preview shows how the Yxy color 77.8431, 0.2744, 0.3073 looks on a white background.

Color Contrast Check

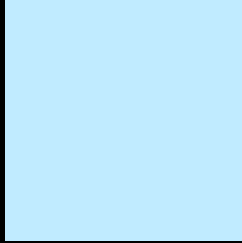
Large Text (above 18pt) WCAG AA × Fail

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 77.8431, 0.2744, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

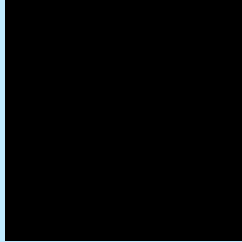
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8431, 0.2744, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 77.8431, 0.2744, 0.3073.



This preview shows how white text looks on a background with the Yxy color 77.8431, 0.2744, 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



Original Color

77.8431, 0.2744, 0.3073

Protanopia

77.4636, 0.2977, 0.3042

Deuteranopia

77.6575, 0.3006, 0.2966



Tritanopia

77.7789, 0.2749, 0.3084

Trichromacy



Original Color

77.8431, 0.2744, 0.3073

Protanomaly

77.3630, 0.2888, 0.3048

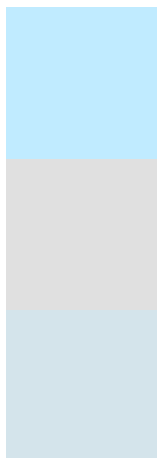
Deuteranomaly

77.2182, 0.2902, 0.2998

Tritanomaly

77.7789, 0.2749, 0.3084

Monochromacy



Original Color

77.8431, 0.2744, 0.3073

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.4820, 0.2976, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8431, 0.2744, 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(192, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8431, 0.2744, 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(192, 235, 255) }
```

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

```
.border{ border-color:rgb(192, 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(192, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8431, 0.2744, 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(192, 235, 255) }
```

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

```
.background{ background-color: rgb(192,  
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](#).

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