

Converting Colors

$Y_{xy}(82.5200, 0.2521, 0.2575)$

Have a look what the booklet for
Yxy(82.5200, 0.2521, 0.2575)
contains.

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Color

Yxy(78.6424, 0.2778, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	C6EBFF
RGB	198, 235, 255
RGB Percent	78%, 92%, 100%
CMY	0.2236, 0.0784, 0.0000
CMYK	0.22, 0.08, 0.00, 0.00
HSL	201°, 100%, 89%
HSV	201°, 22%, 100%
XYZ	71.0467, 78.6424, 106.0585
YIQ	226.2170, -28.4720, -1.6240

Conversions

Conversions Part 2

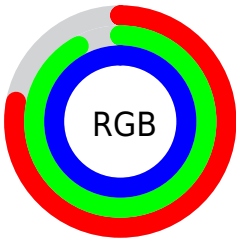
Format	Color
RYB	198, 220, 255
Decimal	13036543
CIELab	91.07, -7.75, -13.65
CIELCh	91, 15.693, 240.425
Yxy	78.6424, 0.2778, 0.3075
Android (android.graphics.Color)	4291226623 (0xFFC6EBFF)
YUV	226.2170, 14.1900, -24.7463
Hunter-Lab	88.6806, -12.1851, -8.8322

Details

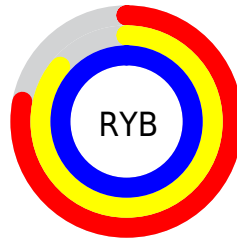
The Yxy color **78.6424, 0.2778, 0.3075** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4707, 0.3543, 0.3495**, and the grayscale version is **76.1286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1571, 0.2701, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **70.4730, 0.2624, 0.2964**, and if you desaturate by 10%, it is **87.6563, 0.2935, 0.3177**.

Distribution



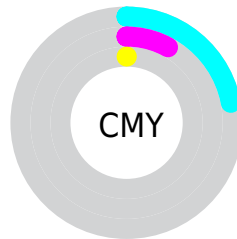
- Red (78%)
- Green (92%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6424, 0.2778, 0.3075 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 78.6424, 0.2778, 0.3075 by changing the saturation by 10% instead.

■ 78.6424, 0.2778,
0.3075

■ 78.6424, 0.2778,
0.3075

490.3458, 0.2935,
0.3175

■ 58.6018, 0.2743,
0.3052

131.4553, 0.2832,
0.3109

■ 42.2927, 0.2700,
0.3024

164.9965, 0.2853,
0.3123

■ 29.3305, 0.2647,
0.2989

203.8066, 0.2871,
0.3134

■ 19.3310, 0.2578,
0.2943

248.2701, 0.2887,
0.3145

■ 11.9097, 0.2488,
0.2881

298.7714, 0.2902,
0.3153

■ 6.6822, 0.2361,
0.2792

355.6948, 0.2914,

■ 3.2642, 0.2175,

0.3161

0.2656

419.4248, 0.2925,
0.3168

1.2712, 0.1876,
0.2425

0.1187, 0.0000,
0.0983

78.6424, 0.2778,
0.3075

78.6424, 0.2778,
0.3075

70.4730, 0.2624,
0.2964

87.6563, 0.2935,
0.3177

63.1096, 0.2475,
0.2844

97.5400, 0.3091,
0.3270

56.5184, 0.2336,
0.2716

100.0000, 0.3127,
0.3290

50.6608, 0.2210,
0.2583

■ 45.4934, 0.2103,
0.2447

■ 40.9671, 0.2015,
0.2310

■ 37.0229, 0.1948,
0.2175

■ 34.3364, 0.1910,
0.2075

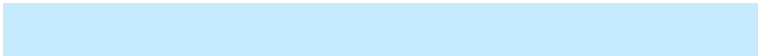
Harmonies

Analogous

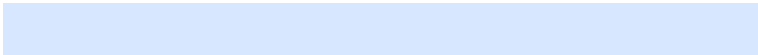
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6424, 0.2800, 0.3221



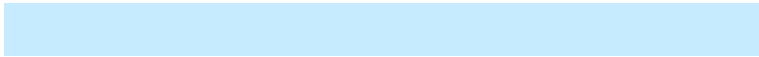
78.6424, 0.2778, 0.3075



78.6424, 0.2846, 0.2992

Triad

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



78.6424, 0.2778, 0.3075



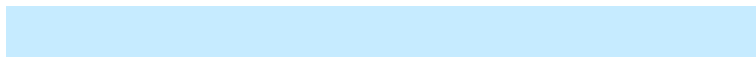
78.6424, 0.3349, 0.3187



78.6424, 0.3259, 0.3612

Complementary

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



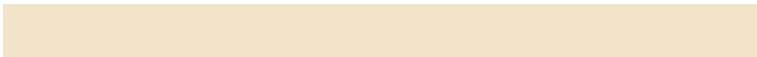
78.6424, 0.2778, 0.3075



75.4707, 0.3543, 0.3495

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.



78.6424, 0.3412, 0.3592



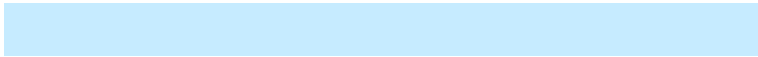
78.6424, 0.2778, 0.3075



78.6424, 0.3466, 0.3344

Square

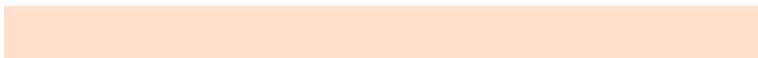
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



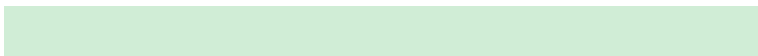
78.6424, 0.2778, 0.3075



78.6424, 0.3173, 0.3059



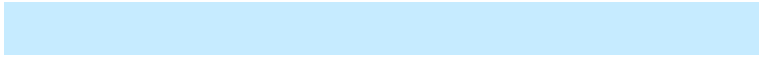
78.6424, 0.3489, 0.3492



78.6424, 0.3074, 0.3538

Rectangle

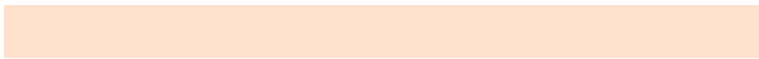
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6424, 0.2778, 0.3075



78.6424, 0.2935, 0.2981



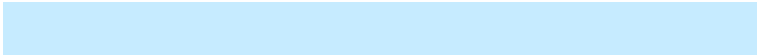
78.6424, 0.3489, 0.3492



78.6424, 0.3316, 0.3616

Sweetspot

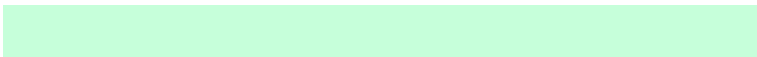
The Sweet Spot groups the original color and five complimentary colors.



78.6443, 0.2778, 0.3075



92.8410, 0.3019, 0.3228



88.5832, 0.2989, 0.3693



19.7441, 0.3009, 0.3222



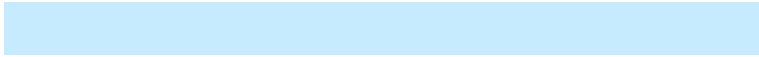
0.0000, 0.0000, 0.0000



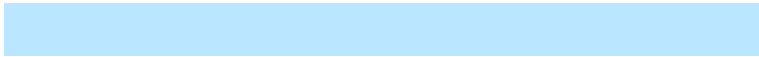
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6443, 0.2778, 0.3075



74.7480, 0.2706, 0.3025



63.6276, 0.2754, 0.2758



19.3463, 0.2980, 0.3205



18.2325, 0.1916, 0.2096



1.9805, 0.1958, 0.2248

Inverse Universe

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



67.6416, 0.3299, 0.2919



62.2023, 0.3343, 0.2839



91.5213, 0.3483, 0.3771



18.1858, 0.3192, 0.3137



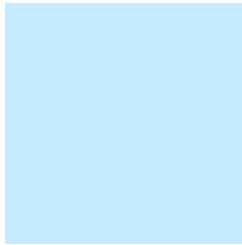
12.5685, 0.4345, 0.2167



1.2445, 0.4181, 0.2077

Previews

White Background



This preview shows how the Yxy color 78.6424, 0.2778, 0.3075 looks on a white background.

Color Contrast Check

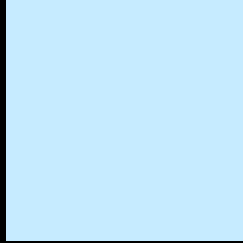
Large Text (above 18pt) WCAG AA × Fail

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 78.6424, 0.2778, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

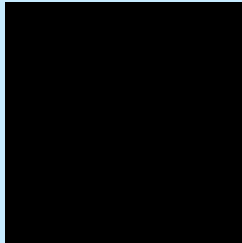
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

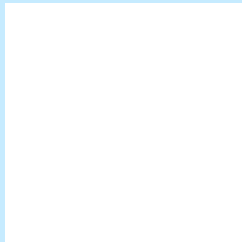
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6424, 0.2778, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 78.6424, 0.2778, 0.3075.

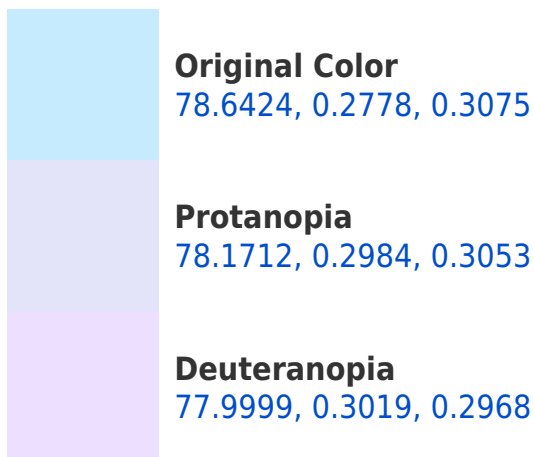


This preview shows how white text looks on a background with the Yxy color 78.6424, 0.2778, 0.3075.

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

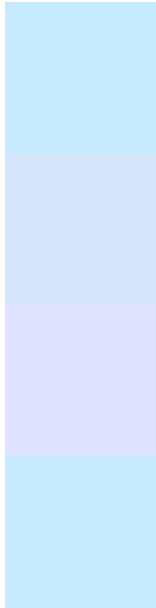




Tritanopia

78.5782, 0.2784, 0.3086

Trichromacy



Original Color

78.6424, 0.2778, 0.3075

Protanomaly

78.2208, 0.2901, 0.3059

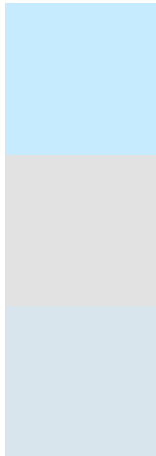
Deuteranomaly

77.8461, 0.2928, 0.3001

Tritanomaly

78.5782, 0.2784, 0.3086

Monochromacy



Original Color

78.6424, 0.2778, 0.3075

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.7520, 0.2990, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6424, 0.2778, 0.3075 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(198, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.6424, 0.2778, 0.3075 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(198, 235, 255) }
```

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

```
.border{ border-color:rgb(198, 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(198, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6424, 0.2778, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 235, 255) }
```

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

```
.background{ background-color: rgb(198,  
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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