

Converting Colors

$Yxy(78.0908, 0.2814, 0.3081)$

Have a look what the booklet for
Yxy(78.0908, 0.2814, 0.3081)
contains.

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Color

Yxy(77.9262, 0.2811, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	CAE9FD
RGB	202, 233, 253
RGB Percent	79%, 91%, 99%
CMY	0.2080, 0.0862, 0.0079
CMYK	0.20, 0.08, 0.00, 0.01
HSL	203°, 93%, 89%
HSV	203°, 20%, 99%
XYZ	71.2128, 77.9262, 104.1972
YIQ	226.0110, -24.8960, -0.3520

Conversions

Conversions Part 2

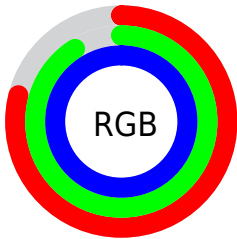
Format	Color
R_{YB}	202, 221, 253
Decimal	13298173
CIE _{Lab}	90.75, -5.99, -13.04
CIE _{LCh}	91, 14.352, 245.346
Yxy	77.9262, 0.2811, 0.3076
Android (android.graphics.Color)	4291488253 (0xFFCAE9FD)
YUV	226.0110, 13.3056, -21.0576
Hunter-Lab	88.2758, -10.4853, -8.1904

Details

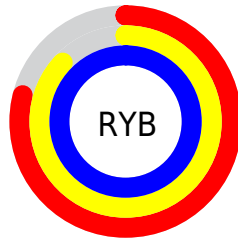
The Yxy color **77.9262, 0.2811, 0.3076** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.3367, 0.3491, 0.3495**, and the grayscale version is **75.9727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6328, 0.2741, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **69.2388, 0.2653, 0.2953**, and if you desaturate by 10%, it is **87.5126, 0.2969, 0.3188**.

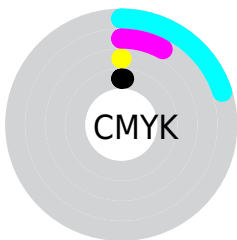
Distribution



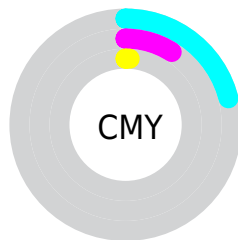
- Red (79%)
- Green (91%)
- Blue (99%)



- Red (79%)
- Yellow (87%)
- Blue (99%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (21%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9262, 0.2811, 0.3076 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 77.9262, 0.2811, 0.3076 by changing the saturation by 10% instead.

■ 77.9262, 0.2811,
0.3076

■ 77.9262, 0.2811,
0.3076

487.9162, 0.2954,
0.3175

■ 58.0134, 0.2779,
0.3054

130.4461, 0.2860,
0.3110

■ 41.8194, 0.2740,
0.3026

163.8219, 0.2879,
0.3124

■ 28.9599, 0.2691,
0.2991

202.4542, 0.2896,
0.3135

■ 19.0505, 0.2628,
0.2946

246.7273, 0.2910,
0.3145

■ 11.7068, 0.2545,
0.2884

297.0257, 0.2923,
0.3154

■ 6.5443, 0.2428,
0.2797

353.7337, 0.2935,

■ 3.1788, 0.2254,

0.3162

0.2662

417.2357, 0.2945,
0.3169

1.2258, 0.1971,
0.2434

0.0826, 0.0000,
0.0761

77.9262, 0.2811,
0.3076

77.9262, 0.2811,
0.3076

69.2388, 0.2653,
0.2953

87.5126, 0.2969,
0.3188

61.4076, 0.2499,
0.2821

98.0195, 0.3125,
0.3288

54.4000, 0.2353,
0.2679

99.8705, 0.3139,
0.3309

48.1771, 0.2218,
0.2530

■ 42.6961, 0.2100,
0.2378

■ 37.9085, 0.2002,
0.2224

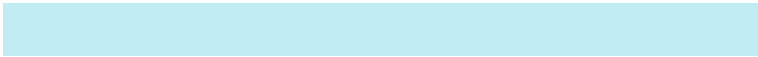
■ 33.7573, 0.1925,
0.2072

■ 30.2094, 0.1869,
0.1928

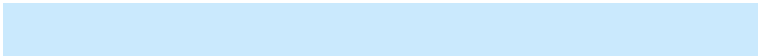
Harmonies

Analogous

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



77.9262, 0.2817, 0.3202



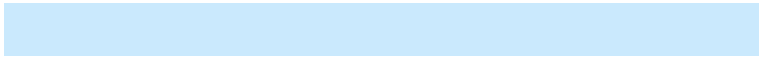
77.9262, 0.2811, 0.3076



77.9262, 0.2887, 0.3011

Triad

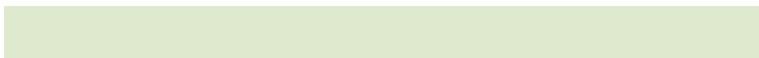
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9262, 0.2811, 0.3076



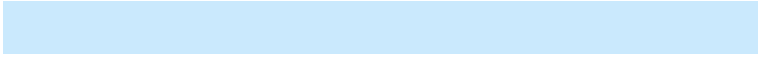
77.9262, 0.3353, 0.3218



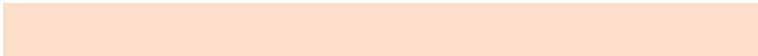
77.9262, 0.3221, 0.3579

Complementary

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



77.9262, 0.2811, 0.3076



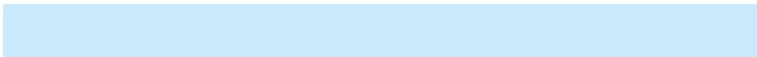
77.3367, 0.3491, 0.3495

Split Complementary

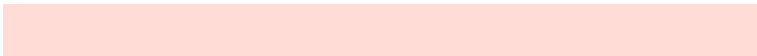
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9262, 0.3369, 0.3576



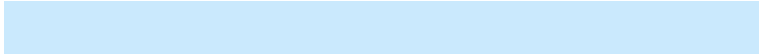
77.9262, 0.2811, 0.3076



77.9262, 0.3447, 0.3364

Square

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



77.9262, 0.2811, 0.3076



77.9262, 0.3198, 0.3094



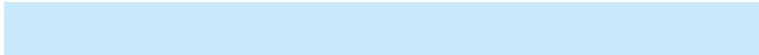
77.9262, 0.3453, 0.3495



77.9262, 0.3051, 0.3499

Rectangle

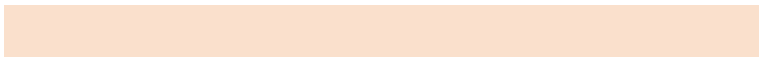
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9262, 0.2811, 0.3076



77.9262, 0.2975, 0.3008



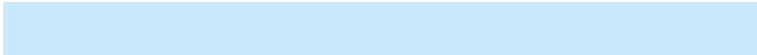
77.9262, 0.3453, 0.3495



77.9262, 0.3275, 0.3588

Sweetspot

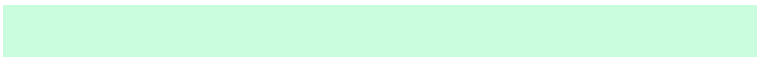
The Sweet Spot groups the original color and five complimentary colors.



77.9294, 0.2811, 0.3076



93.4536, 0.3034, 0.3231



88.0348, 0.2992, 0.3630



19.8548, 0.3024, 0.3224



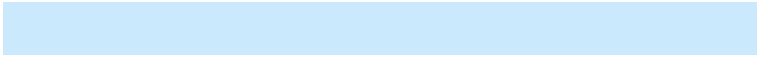
0.0000, 0.0000, 0.0000



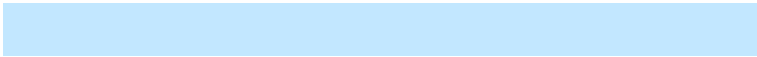
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9294, 0.2811, 0.3076



75.8489, 0.2750, 0.3030



64.7066, 0.2793, 0.2797



19.2186, 0.2979, 0.3195



16.3652, 0.1876, 0.1952



1.8061, 0.1922, 0.2120

Inverse Universe

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



68.9821, 0.3294, 0.2977



65.5276, 0.3333, 0.2915



91.6778, 0.3443, 0.3739



18.1729, 0.3198, 0.3146



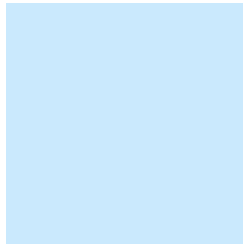
12.3800, 0.4508, 0.2257



1.2269, 0.4319, 0.2153

Previews

White Background



This preview shows how the Yxy color 77.9262, 0.2811, 0.3076 looks on a white background.

Color Contrast Check

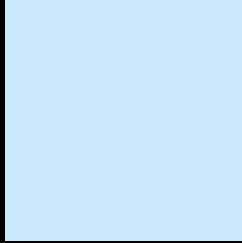
Large Text (above 18pt) WCAG AA × Fail

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 77.9262, 0.2811, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

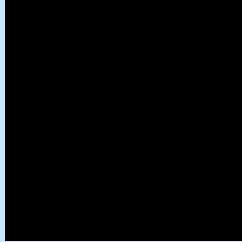
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

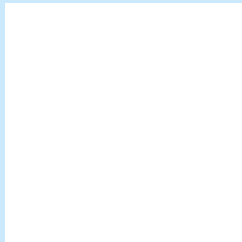
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9262, 0.2811, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 77.9262, 0.2811, 0.3076.

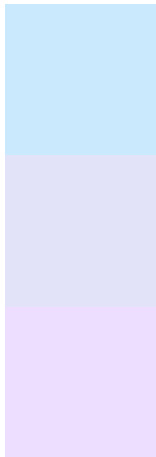


This preview shows how white text looks on a background with the Yxy color 77.9262, 0.2811, 0.3076.

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

77.9262, 0.2811, 0.3076

Protanopia

77.9465, 0.2983, 0.3062

Deuteranopia

77.4671, 0.3019, 0.2957



Tritanopia

77.8627, 0.2817, 0.3086

Trichromacy



Original Color

77.9262, 0.2811, 0.3076

Protanomaly

77.6925, 0.2919, 0.3069

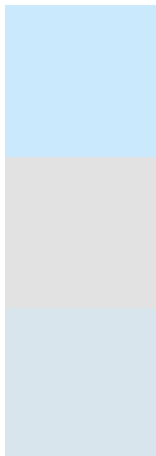
Deuteranomaly

77.3958, 0.2940, 0.3001

Tritanomaly

77.8627, 0.2817, 0.3086

Monochromacy



Original Color

77.9262, 0.2811, 0.3076

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.8465, 0.3003, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9262, 0.2811, 0.3076 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(202, 233, 253)` looks like.

```
.text, #text, p{  
    color:rgb(202, 233, 253)  
}
```

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(202, 233, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 233, 253) }
```

Border

The CSS property to change the border of an element to Yxy 77.9262, 0.2811, 0.3076 is called "border". The border property can be set on classes, ids or directly on the HTML element.

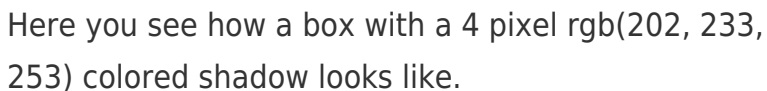
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 233, 253) }
```

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

```
.border{ border-color:rgb(202, 233, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(202, 233, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 233, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 233, 253); box-shadow:4px 4px 4px 4px rgb(202, 233, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9262, 0.2811, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 233, 253) }
```

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

```
.background{ background-color: rgb(202,  
233, 253) }
```

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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