

Converting Colors

$Yxy(79.9885, 0.2840, 0.3077)$

Have a look what the booklet for
Yxy(79.9885, 0.2840, 0.3077)
contains.

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Color

Yxy(80.0466, 0.2837, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	D0EBFF
RGB	208, 235, 255
RGB Percent	82%, 92%, 100%
CMY	0.1846, 0.0783, 0.0000
CMYK	0.18, 0.08, 0.00, 0.00
HSL	205°, 100%, 91%
HSV	205°, 18%, 100%
XYZ	73.7552, 80.0466, 106.1742
YIQ	229.2070, -22.5120, 0.4960

Conversions

Conversions Part 2

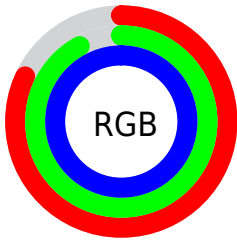
Format	Color
R _Y B	208, 225, 255
Decimal	13691903
CIE Lab	91.71, -4.78, -12.63
CIE LCh	92, 13.503, 249.261
Yxy	80.0466, 0.2837, 0.3079
Android (android.graphics.Color)	4291881983 (0xFFD0EBFF)
YUV	229.2070, 12.7159, -18.5985
Hunter-Lab	89.4688, -9.4207, -7.7324

Details

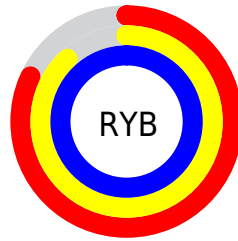
The Yxy color **80.0466, 0.2837, 0.3079** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.2430, 0.3453, 0.3492**, and the grayscale version is **78.4249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0897, 0.2774, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **70.6376, 0.2677, 0.2948**, and if you desaturate by 10%, it is **90.4326, 0.2996, 0.3199**.

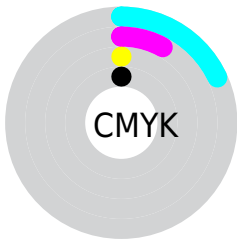
Distribution



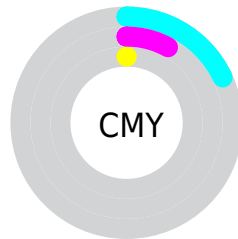
- Red (82%)
- Green (92%)
- Blue (100%)



- Red (82%)
- Yellow (88%)
- Blue (100%)



- Cyan (18%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0466, 0.2837, 0.3079 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 80.0466, 0.2837, 0.3079 by changing the saturation by 10% instead.

80.0466, 0.2837,
0.3079

80.0466, 0.2837,
0.3079

495.0899, 0.2968,
0.3176

59.7567, 0.2808,
0.3057

133.4312, 0.2882,
0.3112

43.2226, 0.2772,
0.3030

167.2948, 0.2899,
0.3125

30.0598, 0.2728,
0.2997

206.4517, 0.2915,
0.3137

19.8840, 0.2671,
0.2953

251.2863, 0.2928,
0.3146

12.3107, 0.2595,
0.2894

302.1830, 0.2940,
0.3155

6.9557, 0.2490,
0.2811

359.5262, 0.2950,

3.4344, 0.2334,

0.3163

0.2686

423.7004, 0.2959,
0.3170

■ 1.3625, 0.2080,
0.2474

■ 0.1888, 0.0466,
0.1404

■ 80.0466, 0.2837,
0.3079

■ 80.0466, 0.2837,
0.3079

■ 70.6376, 0.2677,
0.2948

■ 90.4326, 0.2996,
0.3199

■ 62.1617, 0.2519,
0.2804

100.0000, 0.3127,
0.3290

■ 54.5844, 0.2367,
0.2651

■ 47.8650, 0.2225,
0.2490

■ 41.9592, 0.2099,
0.2324

■ 36.8166, 0.1992,
0.2156

■ 32.3794, 0.1907,
0.1991

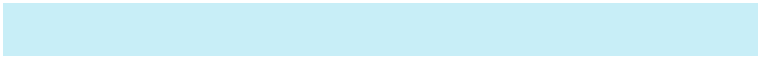
■ 28.5688, 0.1844,
0.1832

■ 28.0226, 0.1836,
0.1808

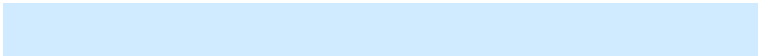
Harmonies

Analogous

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



80.0466, 0.2833, 0.3191



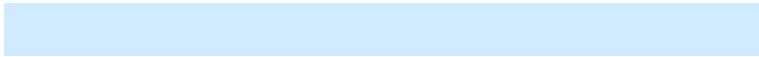
80.0466, 0.2837, 0.3079



80.0466, 0.2917, 0.3026

Triad

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



80.0466, 0.2837, 0.3079



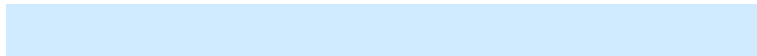
80.0466, 0.3353, 0.3241



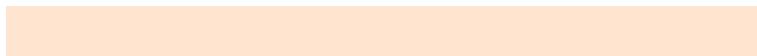
80.0466, 0.3195, 0.3554

Complementary

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



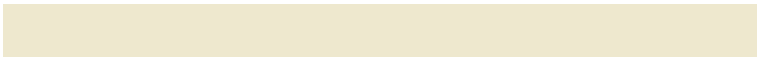
80.0466, 0.2837, 0.3079



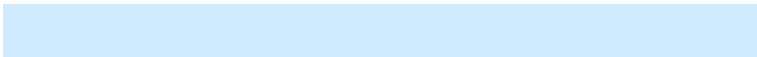
81.2430, 0.3453, 0.3492

Split Complementary

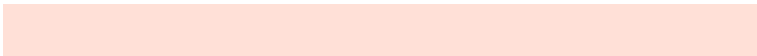
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0466, 0.3338, 0.3561



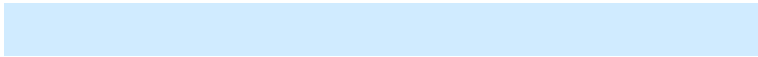
80.0466, 0.2837, 0.3079



80.0466, 0.3431, 0.3377

Square

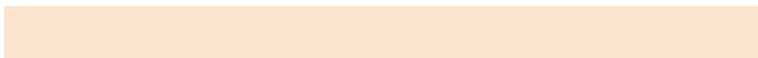
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



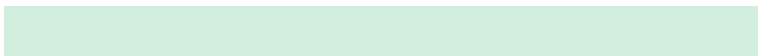
80.0466, 0.2837, 0.3079



80.0466, 0.3214, 0.3120



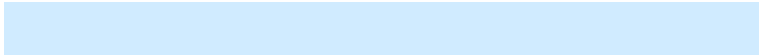
80.0466, 0.3425, 0.3495



80.0466, 0.3036, 0.3470

Rectangle

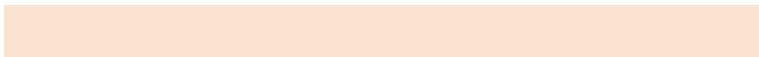
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0466, 0.2837, 0.3079



80.0466, 0.3004, 0.3029



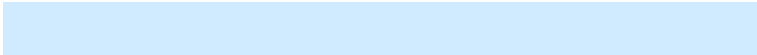
80.0466, 0.3425, 0.3495



80.0466, 0.3246, 0.3565

Sweetspot

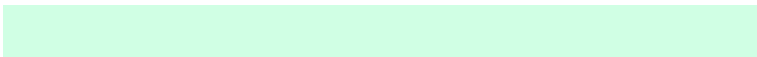
The Sweet Spot groups the original color and five complimentary colors.



80.0495, 0.2837, 0.3079



93.1401, 0.3034, 0.3226



90.4950, 0.2995, 0.3581



19.7807, 0.3024, 0.3219



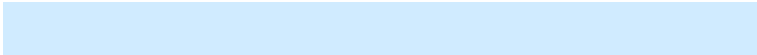
0.0000, 0.0000, 0.0000



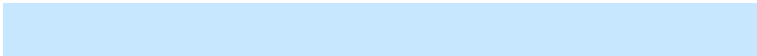
21.4041, 0.3127, 0.3290

Same Dimension

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



80.0495, 0.2837, 0.3079



76.6090, 0.2780, 0.3034



67.6303, 0.2823, 0.2826



19.1144, 0.2979, 0.3187



14.9446, 0.1843, 0.1834



1.6717, 0.1893, 0.2015

Inverse Universe

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



72.3350, 0.3289, 0.3020



67.8413, 0.3326, 0.2966



94.8530, 0.3413, 0.3715



18.1624, 0.3204, 0.3154



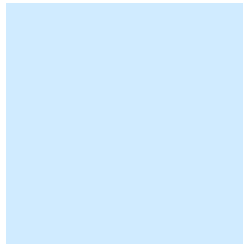
12.2366, 0.4645, 0.2333



1.2133, 0.4436, 0.2217

Previews

White Background



This preview shows how the Yxy color 80.0466, 0.2837, 0.3079 looks on a white background.

Color Contrast Check

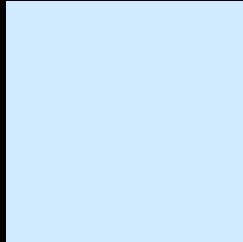
Large Text (above 18pt) WCAG AA × Fail

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 80.0466, 0.2837, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

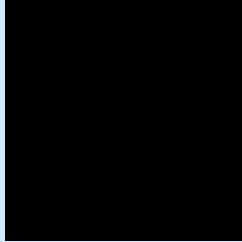
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

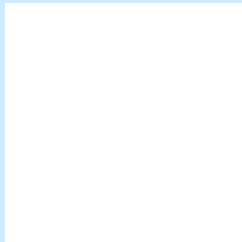
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0466, 0.2837, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 80.0466, 0.2837, 0.3079.

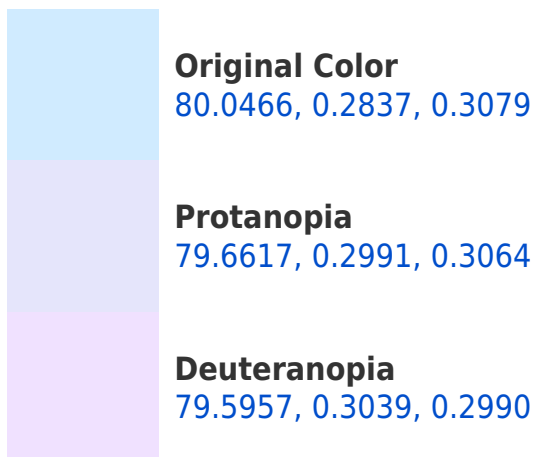


This preview shows how white text looks on a background with the Yxy color 80.0466, 0.2837, 0.3079.

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

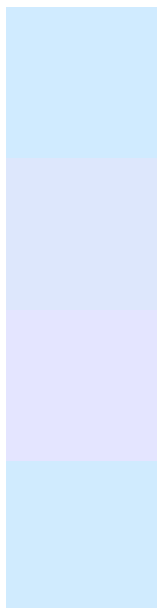




Tritanopia

79.9823, 0.2843, 0.3089

Trichromacy



Original Color

80.0466, 0.2837, 0.3079

Protanomaly

79.5523, 0.2933, 0.3072

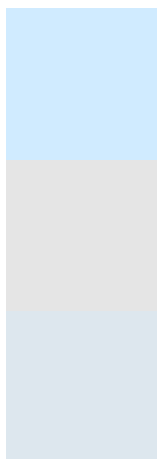
Deuteranomaly

79.7526, 0.2960, 0.3024

Tritanomaly

79.9823, 0.2843, 0.3089

Monochromacy



Original Color

80.0466, 0.2837, 0.3079

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.6970, 0.3017, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0466, 0.2837, 0.3079 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(208, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.0466, 0.2837, 0.3079 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(208, 235, 255) }
```

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

```
.border{ border-color:rgb(208, 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(208, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0466, 0.2837, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 235, 255) }
```

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

```
.background{ background-color: rgb(208,  
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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