

Converting Colors

$Yxy(80.7044, 0.2815, 0.3081)$

Have a look what the booklet for
Yxy(80.7044, 0.2815, 0.3081)
contains.

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Color

Yxy(80.7675, 0.2821, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	CDEDFF
RGB	205, 237, 255
RGB Percent	80%, 93%, 100%
CMY	0.1959, 0.0706, 0.0000
CMYK	0.20, 0.07, 0.00, 0.00
HSL	202°, 100%, 90%
HSV	202°, 20%, 100%
XYZ	73.5221, 80.7675, 106.3348
YIQ	229.4840, -24.8500, -1.1860

Conversions

Conversions Part 2

Format	Color
R _{YB}	205, 225, 255
Decimal	13495807
CIE Lab	92.03, -6.66, -12.17
CIE LCh	92, 13.873, 241.331
Yxy	80.7675, 0.2821, 0.3099
Android (android.graphics.Color)	4291685887 (0xFFCDEDFF)
YUV	229.4840, 12.5794, -21.4725
Hunter-Lab	89.8707, -11.2452, -7.2422

Details

The Yxy color **80.7675, 0.2821, 0.3099** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.4752, 0.3482, 0.3473**, and the grayscale version is **78.6557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6090, 0.2754, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **72.2456, 0.2665, 0.2987**, and if you desaturate by 10%, it is **90.1579, 0.2978, 0.3201**.

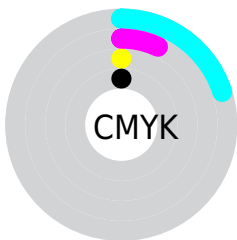
Distribution



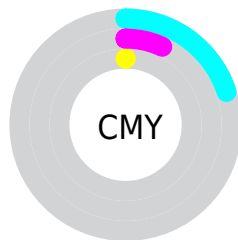
- Red (80%)
- Green (93%)
- Blue (100%)



- Red (80%)
- Yellow (88%)
- Blue (100%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7675, 0.2821, 0.3099 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 80.7675, 0.2821, 0.3099 by changing the saturation by 10% instead.

80.7675, 0.2821,
0.3099

80.7675, 0.2821,
0.3099

497.5156, 0.2959,
0.3187

60.3501, 0.2790,
0.3079

134.4443, 0.2868,
0.3129

43.7009, 0.2753,
0.3055

168.4724, 0.2887,
0.3141

30.4354, 0.2707,
0.3024

207.8064, 0.2903,
0.3151

20.1693, 0.2647,
0.2984

252.8304, 0.2917,
0.3160

12.5182, 0.2568,
0.2930

303.9289, 0.2929,
0.3168

7.0976, 0.2459,
0.2853

361.4864, 0.2940,

3.5232, 0.2297,

0.3175

0.2737

425.8871, 0.2950,
0.3181

■ 1.4106, 0.2036,
0.2539

■ 0.2245, 0.0370,
0.1631

■ 80.7675, 0.2821,
0.3099

■ 80.7675, 0.2821,
0.3099

■ 72.2456, 0.2665,
0.2987

■ 90.1579, 0.2978,
0.3201

■ 64.5527, 0.2513,
0.2866

100.0000, 0.3127,
0.3290

■ 57.6560, 0.2370,
0.2736

■ 51.5174, 0.2239,
0.2601

■ 46.0946, 0.2125,
0.2461

■ 41.3398, 0.2030,
0.2320

■ 37.1971, 0.1956,
0.2180

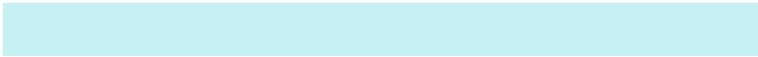
■ 33.5812, 0.1902,
0.2044

■ 33.4400, 0.1900,
0.2039

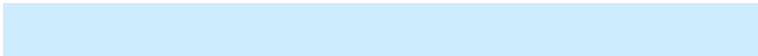
Harmonies

Analogous

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



80.7675, 0.2838, 0.3226



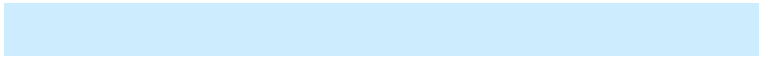
80.7675, 0.2821, 0.3099



80.7675, 0.2884, 0.3027

Triad

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



80.7675, 0.2821, 0.3099



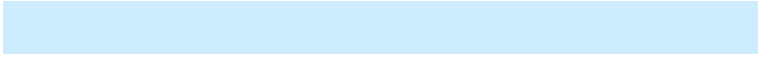
80.7675, 0.3326, 0.3204



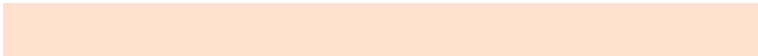
80.7675, 0.3238, 0.3570

Complementary

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



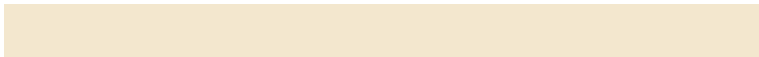
80.7675, 0.2821, 0.3099



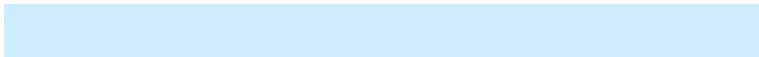
78.4752, 0.3482, 0.3473

Split Complementary

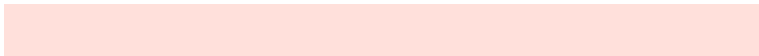
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7675, 0.3373, 0.3556



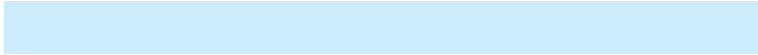
80.7675, 0.2821, 0.3099



80.7675, 0.3425, 0.3342

Square

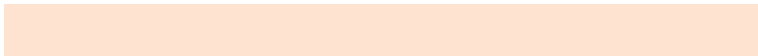
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



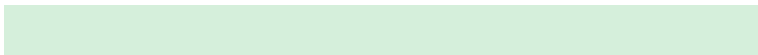
80.7675, 0.2821, 0.3099



80.7675, 0.3173, 0.3090



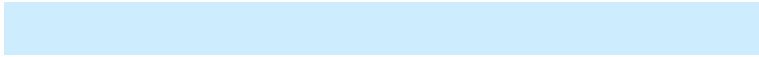
80.7675, 0.3443, 0.3471



80.7675, 0.3076, 0.3504

Rectangle

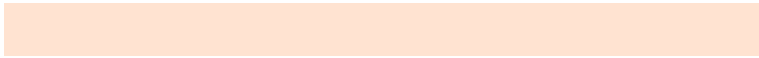
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7675, 0.2821, 0.3099



80.7675, 0.2963, 0.3018



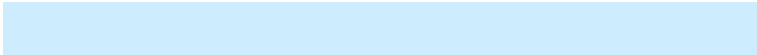
80.7675, 0.3443, 0.3471



80.7675, 0.3288, 0.3575

Sweetspot

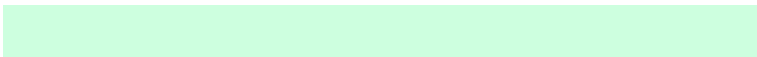
The Sweet Spot groups the original color and five complimentary colors.



80.7698, 0.2821, 0.3099



93.7440, 0.3034, 0.3236



89.8084, 0.3005, 0.3637



19.9235, 0.3024, 0.3230



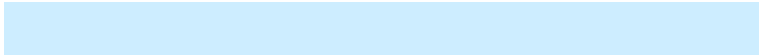
0.0000, 0.0000, 0.0000



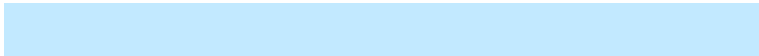
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7698, 0.2821, 0.3099



76.9052, 0.2752, 0.3051



67.5637, 0.2805, 0.2832



19.3153, 0.2980, 0.3202



17.7665, 0.1906, 0.2061



1.9372, 0.1949, 0.2217

Inverse Universe

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



71.0595, 0.3277, 0.2972



65.6342, 0.3318, 0.2897



92.5022, 0.3437, 0.3710



18.1827, 0.3194, 0.3139



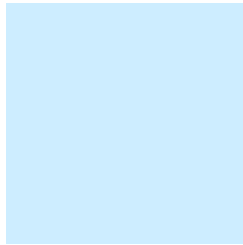
12.5215, 0.4384, 0.2189



1.2401, 0.4214, 0.2095

Previews

White Background



This preview shows how the Yxy color 80.7675, 0.2821, 0.3099 looks on a white background.

Color Contrast Check

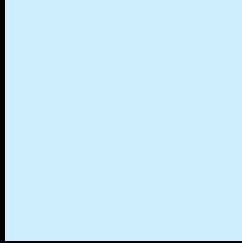
Large Text (above 18pt) WCAG AA × Fail

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 80.7675, 0.2821, 0.3099 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

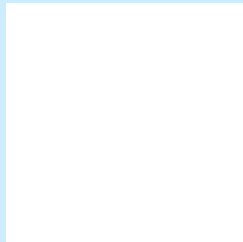
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7675, 0.2821, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 80.7675, 0.2821, 0.3099.

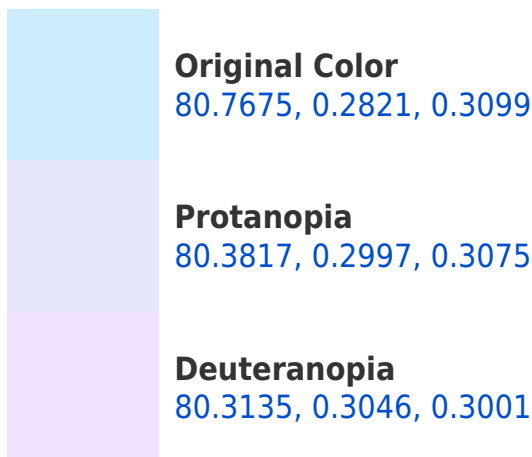


This preview shows how white text looks on a background with the Yxy color 80.7675, 0.2821, 0.3099.

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

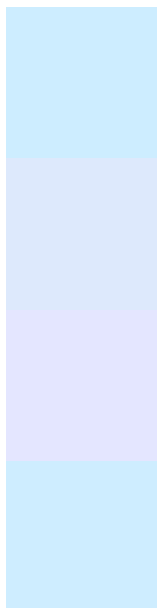




Tritanopia

80.9102, 0.2827, 0.3100

Trichromacy



Original Color

80.7675, 0.2821, 0.3099

Protanomaly

80.6783, 0.2934, 0.3093

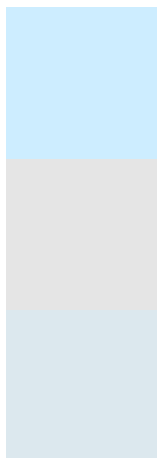
Deuteranomaly

80.3076, 0.2960, 0.3035

Tritanomaly

80.9102, 0.2827, 0.3100

Monochromacy



Original Color

80.7675, 0.2821, 0.3099

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.1019, 0.3010, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7675, 0.2821, 0.3099 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(205, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 237, 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(205, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.7675, 0.2821, 0.3099 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(205, 237, 255) }
```

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

```
.border{ border-color:rgb(205, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7675, 0.2821, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 237, 255) }
```

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

```
.background{ background-color: rgb(205,  
237, 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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