

Converting Colors

$Yxy(80.5486, 0.2815, 0.3098)$

Have a look what the booklet for
Yxy(80.5486, 0.2815, 0.3098)
contains.

Yxy(80.6257, 0.2815, 0.3099)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.6257, 0.2815, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	CCEDFF
RGB	204, 237, 255
RGB Percent	80%, 93%, 100%
CMY	0.2000, 0.0706, 0.0000
CMYK	0.20, 0.07, 0.00, 0.00
HSL	201°, 100%, 90%
HSV	201°, 20%, 100%
XYZ	73.2370, 80.6257, 106.3042
YIQ	229.1850, -25.4460, -1.3980

Conversions

Conversions Part 2

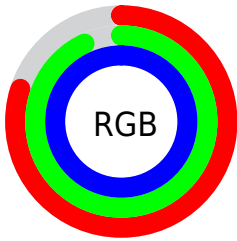
Format	Color
RYB	204, 224, 255
Decimal	13430271
CIELab	91.96, -6.98, -12.26
CIELCh	92, 14.108, 240.360
Yxy	80.6257, 0.2815, 0.3099
Android (android.graphics.Color)	4291620351 (0xFFCCEDFF)
YUV	229.1850, 12.7268, -22.0872
Hunter-Lab	89.7918, -11.5456, -7.3389

Details

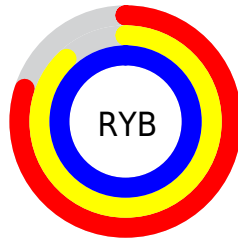
The Yxy color **80.6257, 0.2815, 0.3099** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8634, 0.3491, 0.3474**, and the grayscale version is **78.4195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5145, 0.2747, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **72.2348, 0.2660, 0.2989**, and if you desaturate by 10%, it is **89.8745, 0.2972, 0.3199**.

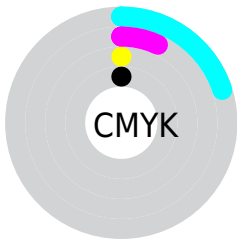
Distribution



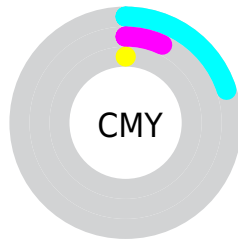
- Red (80%)
- Green (93%)
- Blue (100%)



- 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 80.6257, 0.2815, 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 80.6257, 0.2815, 0.3099 by changing the saturation by 10% instead.

80.6257, 0.2815,
0.3099

80.6257, 0.2815,
0.3099

497.0390, 0.2955,
0.3187

60.2334, 0.2784,
0.3079

134.2451, 0.2863,
0.3129

43.6068, 0.2746,
0.3055

168.2409, 0.2882,
0.3141

30.3615, 0.2699,
0.3024

207.5401, 0.2898,
0.3151

20.1131, 0.2638,
0.2983

252.5269, 0.2912,
0.3160

12.4773, 0.2557,
0.2929

303.5858, 0.2925,
0.3168

7.0696, 0.2446,
0.2852

361.1012, 0.2936,

3.5057, 0.2281,

0.3175

0.2735

425.4575, 0.2946,
0.3181

■ 1.4011, 0.2015,
0.2536

■ 0.2175, 0.0269,
0.1607

■ 80.6257, 0.2815,
0.3099

■ 80.6257, 0.2815,
0.3099

■ 72.2348, 0.2660,
0.2989

■ 89.8745, 0.2972,
0.3199

■ 64.6596, 0.2509,
0.2870

99.9997, 0.3127,
0.3290

■ 57.8683, 0.2367,
0.2743

■ 51.8229, 0.2238,
0.2611

■ 46.4814, 0.2125,
0.2474

■ 41.7960, 0.2032,
0.2336

■ 37.7104, 0.1960,
0.2200

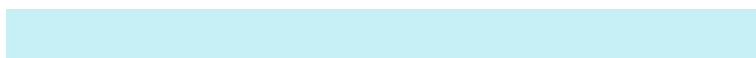
■ 34.1356, 0.1908,
0.2067

■ 34.1334, 0.1907,
0.2067

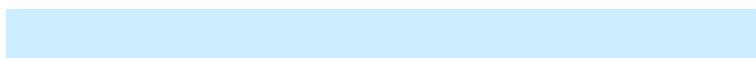
Harmonies

Analogous

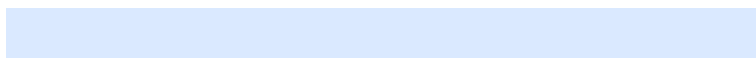
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6257, 0.2835, 0.3229



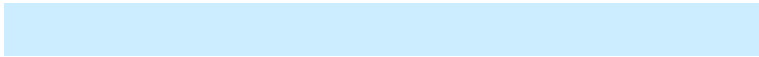
80.6257, 0.2815, 0.3099



80.6257, 0.2876, 0.3024

Triad

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



80.6257, 0.2815, 0.3099



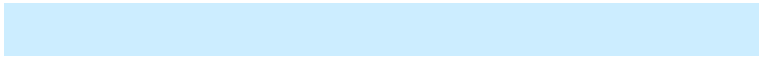
80.6257, 0.3325, 0.3198



80.6257, 0.3245, 0.3576

Complementary

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



80.6257, 0.2815, 0.3099



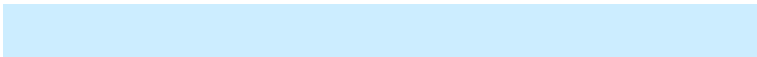
77.8634, 0.3491, 0.3474

Split Complementary

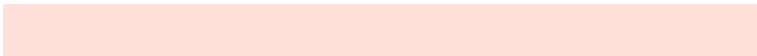
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6257, 0.3381, 0.3559



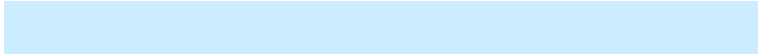
80.6257, 0.2815, 0.3099



80.6257, 0.3429, 0.3338

Square

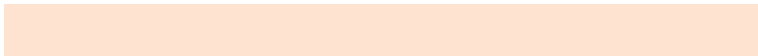
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



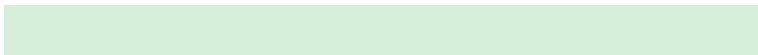
80.6257, 0.2815, 0.3099



80.6257, 0.3168, 0.3083



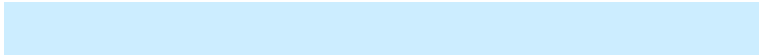
80.6257, 0.3449, 0.3471



80.6257, 0.3080, 0.3511

Rectangle

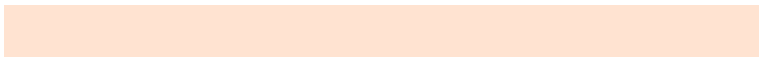
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6257, 0.2815, 0.3099



80.6257, 0.2956, 0.3013



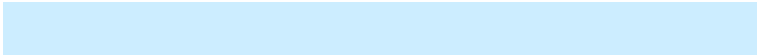
80.6257, 0.3449, 0.3471



80.6257, 0.3296, 0.3580

Sweetspot

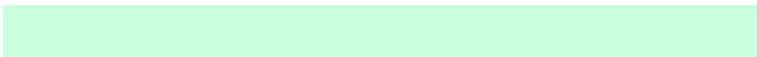
The Sweet Spot groups the original color and five complimentary colors.



80.6290, 0.2815, 0.3099



93.8162, 0.3034, 0.3237



89.6218, 0.3003, 0.3645



19.9406, 0.3024, 0.3231



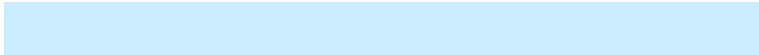
0.0000, 0.0000, 0.0000



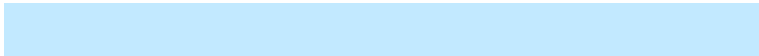
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6290, 0.2815, 0.3099



77.1693, 0.2752, 0.3056



66.9755, 0.2797, 0.2821



19.3394, 0.2980, 0.3204



18.1278, 0.1914, 0.2089



1.9708, 0.1956, 0.2241

Inverse Universe

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



70.5650, 0.3278, 0.2961



65.6609, 0.3315, 0.2892



92.3532, 0.3443, 0.3719



18.1851, 0.3192, 0.3137



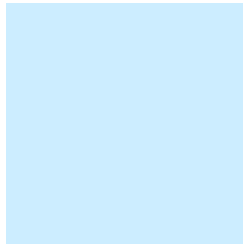
12.5580, 0.4354, 0.2172



1.2435, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 80.6257, 0.2815, 0.3099 looks on a white background.

Color Contrast Check

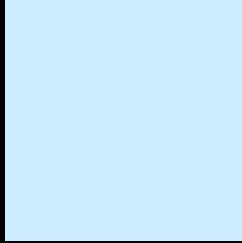
Large Text (above 18pt) WCAG AA × Fail

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 80.6257, 0.2815, 0.3099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

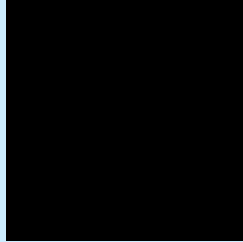
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

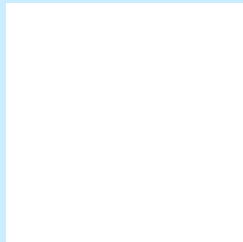
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6257, 0.2815, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 80.6257, 0.2815, 0.3099.

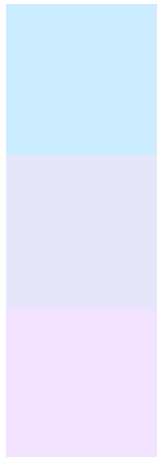


This preview shows how white text looks on a background with the Yxy color 80.6257, 0.2815, 0.3099.

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



Original Color

80.6257, 0.2815, 0.3099

Protanopia

80.3817, 0.2997, 0.3075

Deuteranopia

80.3135, 0.3046, 0.3001



Tritanopia

80.7675, 0.2821, 0.3099

Trichromacy



Original Color

80.6257, 0.2815, 0.3099

Protanomaly

80.6783, 0.2934, 0.3093

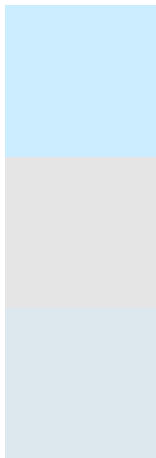
Deuteranomaly

80.3076, 0.2960, 0.3035

Tritanomaly

80.7675, 0.2821, 0.3099

Monochromacy



Original Color

80.6257, 0.2815, 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 80.6257, 0.2815, 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(204, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.6257, 0.2815, 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(204, 237, 255) }
```

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

```
.border{ border-color:rgb(204, 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(204, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6257, 0.2815, 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(204, 237, 255) }
```

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

```
.background{ background-color: rgb(204,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor