

Converting Colors

$Yxy(79.9402, 0.2819, 0.3084)$

Have a look what the booklet for
Yxy(79.9402, 0.2819, 0.3084)
contains.

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Color

Yxy(80.1900, 0.2820, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	CDECFE
RGB	205, 236, 255
RGB Percent	80%, 93%, 100%
CMY	0.1963, 0.0744, 0.0001
CMYK	0.20, 0.07, 0.00, 0.00
HSL	203°, 100%, 90%
HSV	203°, 20%, 100%
XYZ	73.2068, 80.1900, 106.2018
YIQ	228.8970, -24.5750, -0.6630

Conversions

Conversions Part 2

Format	Color
R _Y B	205, 224, 255
Decimal	13495551
CIE Lab	91.77, -6.20, -12.53
CIE LCh	92, 13.984, 243.680
Yxy	80.1900, 0.2820, 0.3089
Android (android.graphics.Color)	4291685631 (0xFFCDECFF)
YUV	228.8970, 12.8688, -20.9577
Hunter-Lab	89.5489, -10.7856, -7.6316

Details

The Yxy color **80.1900, 0.2820, 0.3089** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9147, 0.3481, 0.3483**, and the grayscale version is **78.1866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2038, 0.2753, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **71.4464, 0.2663, 0.2971**, and if you desaturate by 10%, it is **89.8317, 0.2978, 0.3197**.

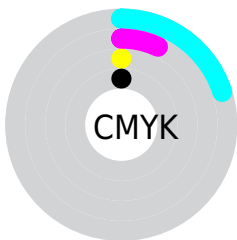
Distribution



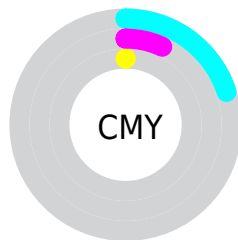
- Red (80%)
- Green (93%)
- Blue (100%)



- 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 80.1900, 0.2820, 0.3089 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 80.1900, 0.2820, 0.3089 by changing the saturation by 10% instead.

80.1900, 0.2820,
0.3089

80.1900, 0.2820,
0.3089

495.5729, 0.2958,
0.3181

59.8747, 0.2789,
0.3068

133.6328, 0.2867,
0.3121

43.3177, 0.2752,
0.3042

167.5292, 0.2886,
0.3133

30.1344, 0.2705,
0.3010

206.7213, 0.2902,
0.3144

19.9407, 0.2645,
0.2968

251.5936, 0.2916,
0.3153

12.3519, 0.2565,
0.2911

302.5306, 0.2928,
0.3162

6.9838, 0.2455,
0.2831

359.9165, 0.2940,

3.4520, 0.2291,

0.3169

0.2708

424.1358, 0.2949,
0.3176

■ 1.3720, 0.2027,
0.2501

■ 0.1960, 0.0263,
0.1478

■ 80.1900, 0.2820,
0.3089

■ 80.1900, 0.2820,
0.3089

■ 71.4464, 0.2663,
0.2971

■ 89.8317, 0.2978,
0.3197

■ 63.5577, 0.2509,
0.2843

99.9981, 0.3127,
0.3290

■ 56.4916, 0.2364,
0.2707

■ 50.2090, 0.2231,
0.2563

■ 44.6671, 0.2113,
0.2416

■ 39.8174, 0.2015,
0.2267

■ 35.6029, 0.1939,
0.2120

■ 31.9373, 0.1883,
0.1978

■ 31.8052, 0.1881,
0.1972

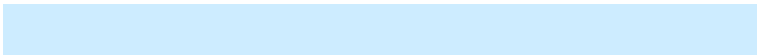
Harmonies

Analogous

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



80.1900, 0.2831, 0.3214



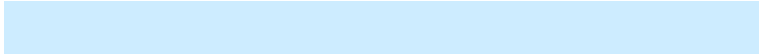
80.1900, 0.2820, 0.3089



80.1900, 0.2889, 0.3022

Triad

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



80.1900, 0.2820, 0.3089



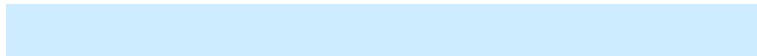
80.1900, 0.3338, 0.3214



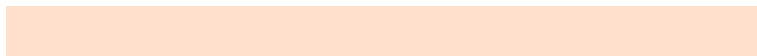
80.1900, 0.3227, 0.3571

Complementary

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



80.1900, 0.2820, 0.3089



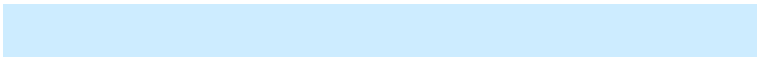
78.9147, 0.3481, 0.3483

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.



80.1900, 0.3367, 0.3563



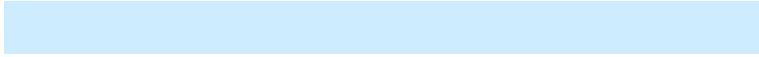
80.1900, 0.2820, 0.3089



80.1900, 0.3433, 0.3354

Square

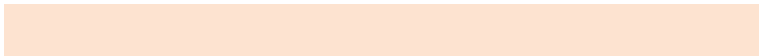
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



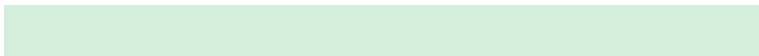
80.1900, 0.2820, 0.3089



80.1900, 0.3186, 0.3095



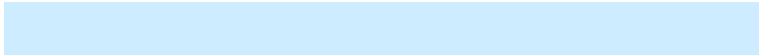
80.1900, 0.3444, 0.3482



80.1900, 0.3063, 0.3498

Rectangle

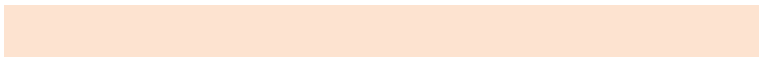
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1900, 0.2820, 0.3089



80.1900, 0.2972, 0.3016



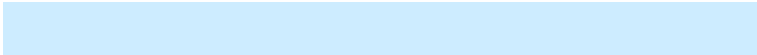
80.1900, 0.3444, 0.3482



80.1900, 0.3278, 0.3577

Sweetspot

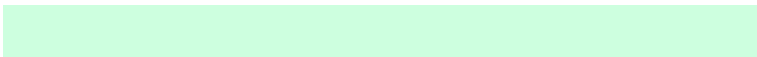
The Sweet Spot groups the original color and five complimentary colors.



80.1933, 0.2820, 0.3089



93.5707, 0.3034, 0.3233



89.8163, 0.3001, 0.3629



19.8825, 0.3024, 0.3226



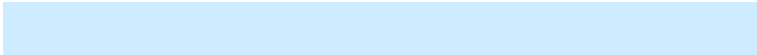
0.0000, 0.0000, 0.0000



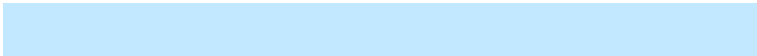
21.4041, 0.3127, 0.3290

Same Dimension

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



80.1933, 0.2820, 0.3089



76.2737, 0.2751, 0.3039



67.0850, 0.2803, 0.2822



19.2576, 0.2979, 0.3198



16.9202, 0.1888, 0.1996



1.8582, 0.1933, 0.2159

Inverse Universe

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



70.9489, 0.3284, 0.2980



65.5705, 0.3327, 0.2908



92.9798, 0.3436, 0.3719



18.1769, 0.3196, 0.3143



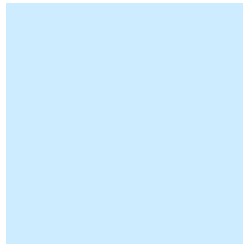
12.4361, 0.4458, 0.2229



1.2321, 0.4276, 0.2129

Previews

White Background



This preview shows how the Yxy color 80.1900, 0.2820, 0.3089 looks on a white background.

Color Contrast Check

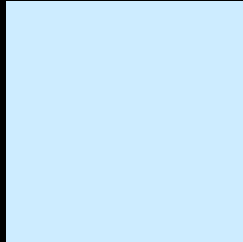
Large Text (above 18pt) WCAG AA × Fail

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 80.1900, 0.2820, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

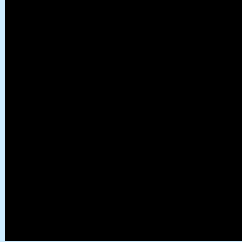
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

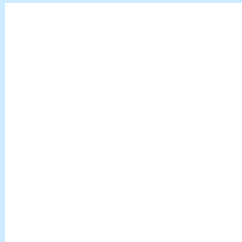
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1900, 0.2820, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 80.1900, 0.2820, 0.3089.

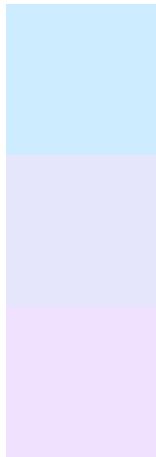


This preview shows how white text looks on a background with the Yxy color 80.1900, 0.2820, 0.3089.

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

80.1900, 0.2820, 0.3089

Protanopia

79.6617, 0.2991, 0.3064

Deuteranopia

79.5957, 0.3039, 0.2990



Tritanopia

80.1900, 0.2820, 0.3089

Trichromacy



Original Color

80.1900, 0.2820, 0.3089

Protanomaly

79.9571, 0.2927, 0.3082

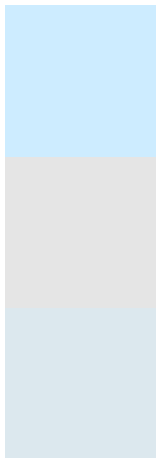
Deuteranomaly

79.5895, 0.2954, 0.3024

Tritanomaly

80.1900, 0.2820, 0.3089

Monochromacy



Original Color

80.1900, 0.2820, 0.3089

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 80.1900, 0.2820, 0.3089 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, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 236, 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, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1900, 0.2820, 0.3089 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, 236, 255) }
```

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

```
.border{ border-color:rgb(205, 236, 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, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1900, 0.2820, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 236, 255) }
```

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

```
.background{ background-color: rgb(205,  
236, 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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