

Converting Colors

Yxy(80.5328, 0.2834, 0.3089)

Have a look what the booklet for
Yxy(80.5328, 0.2834, 0.3089)
contains.

Yxy(80.4763, 0.2832, 0.3089)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.4763, 0.2832, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	CFECCF
RGB	207, 236, 255
RGB Percent	81%, 93%, 100%
CMY	0.1882, 0.0745, 0.0000
CMYK	0.19, 0.07, 0.00, 0.00
HSL	204°, 100%, 91%
HSV	204°, 19%, 100%
XYZ	73.7808, 80.4763, 106.2683
YIQ	229.4950, -23.3830, -0.2390

Conversions

Conversions Part 2

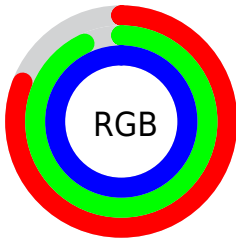
Format	Color
R _Y B	207, 225, 255
Decimal	13626623
CIE Lab	91.90, -5.56, -12.35
CIE LCh	92, 13.547, 245.780
Yxy	80.4763, 0.2832, 0.3089
Android (android.graphics.Color)	4291816703 (0xFFCFE0FF)
YUV	229.4950, 12.5740, -19.7281
Hunter-Lab	89.7086, -10.1828, -7.4386

Details

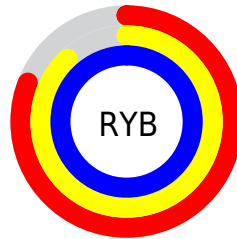
The Yxy color **80.4763, 0.2832, 0.3089** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1606, 0.3463, 0.3483**, and the grayscale version is **78.6583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3951, 0.2768, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **71.4476, 0.2674, 0.2966**, and if you desaturate by 10%, it is **90.4307, 0.2990, 0.3201**.

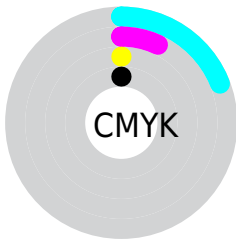
Distribution



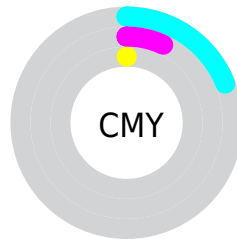
- Red (81%)
- Green (93%)
- Blue (100%)



- Red (81%)
- Yellow (88%)
- Blue (100%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4763, 0.2832, 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 80.4763, 0.2832, 0.3089 by changing the saturation by 10% instead.

80.4763, 0.2832,
0.3089

80.4763, 0.2832,
0.3089

496.5365, 0.2965,
0.3181

60.1104, 0.2802,
0.3068

134.0352, 0.2877,
0.3121

43.5076, 0.2766,
0.3043

167.9969, 0.2895,
0.3133

30.2836, 0.2722,
0.3010

207.2594, 0.2911,
0.3144

20.0539, 0.2664,
0.2969

252.2070, 0.2924,
0.3153

12.4343, 0.2587,
0.2912

303.2241, 0.2936,
0.3162

7.0402, 0.2481,
0.2833

360.6952, 0.2947,

3.4872, 0.2323,

0.3169

0.2712

425.0045, 0.2956,
0.3175

■ 1.3911, 0.2069,
0.2508

■ 0.2101, 0.0467,
0.1531

■ 80.4763, 0.2832,
0.3089

■ 80.4763, 0.2832,
0.3089

■ 71.4476, 0.2674,
0.2966

■ 90.4307, 0.2990,
0.3201

■ 63.3048, 0.2518,
0.2833

100.0000, 0.3127,
0.3290

■ 56.0136, 0.2370,
0.2691

■ 49.5346, 0.2233,
0.2541

■ 43.8246, 0.2112,
0.2387

■ 38.8347, 0.2010,
0.2231

■ 34.5081, 0.1930,
0.2077

■ 30.7649, 0.1870,
0.1928

■ 30.3505, 0.1864,
0.1910

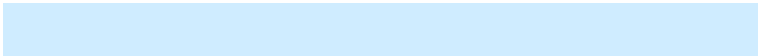
Harmonies

Analogous

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



80.4763, 0.2837, 0.3207



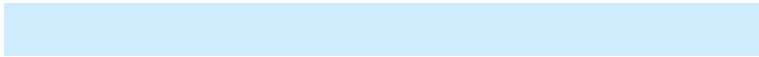
80.4763, 0.2832, 0.3089



80.4763, 0.2904, 0.3029

Triad

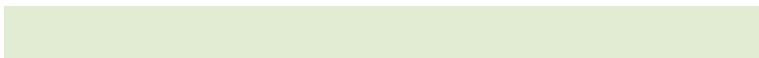
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4763, 0.2832, 0.3089



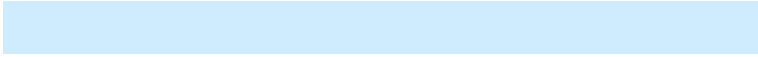
80.4763, 0.3340, 0.3225



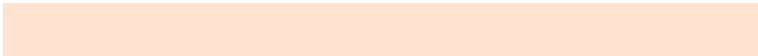
80.4763, 0.3213, 0.3559

Complementary

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



80.4763, 0.2832, 0.3089



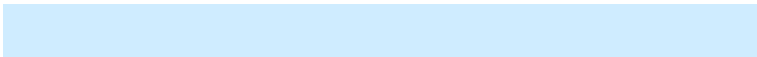
80.1606, 0.3463, 0.3483

Split Complementary

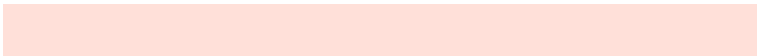
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4763, 0.3352, 0.3557



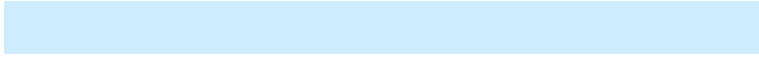
80.4763, 0.2832, 0.3089



80.4763, 0.3427, 0.3361

Square

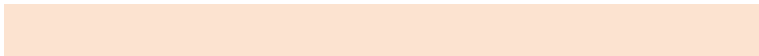
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



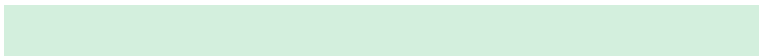
80.4763, 0.2832, 0.3089



80.4763, 0.3196, 0.3108



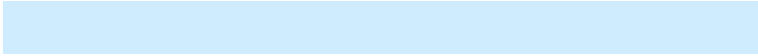
80.4763, 0.3431, 0.3483



80.4763, 0.3054, 0.3483

Rectangle

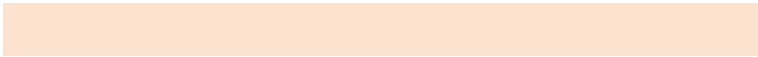
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4763, 0.2832, 0.3089



80.4763, 0.2987, 0.3026



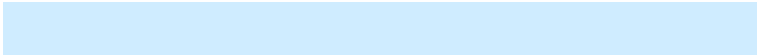
80.4763, 0.3431, 0.3483



80.4763, 0.3263, 0.3567

Sweetspot

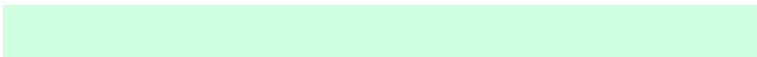
The Sweet Spot groups the original color and five complimentary colors.



80.4783, 0.2832, 0.3089



93.4092, 0.3034, 0.3230



90.2447, 0.3001, 0.3605



19.8444, 0.3024, 0.3224



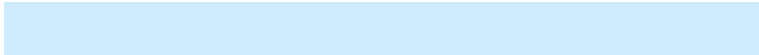
0.0000, 0.0000, 0.0000



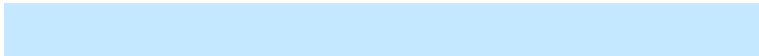
21.4041, 0.3127, 0.3290

Same Dimension

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



80.4783, 0.2832, 0.3089



76.5941, 0.2766, 0.3039



67.8768, 0.2817, 0.2834



19.2038, 0.2979, 0.3194



16.1585, 0.1871, 0.1935



1.7867, 0.1918, 0.2105

Inverse Universe

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



71.9451, 0.3283, 0.3001



66.7118, 0.3325, 0.2934



93.7647, 0.3421, 0.3708



18.1714, 0.3199, 0.3147



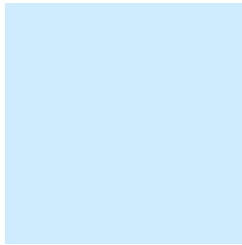
12.3592, 0.4527, 0.2268



1.2249, 0.4335, 0.2162

Previews

White Background



This preview shows how the Yxy color 80.4763, 0.2832, 0.3089 looks on a white background.

Color Contrast Check

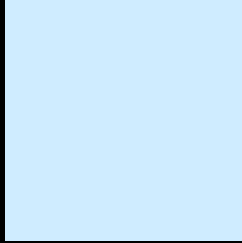
Large Text (above 18pt) WCAG AA × Fail

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 80.4763, 0.2832, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

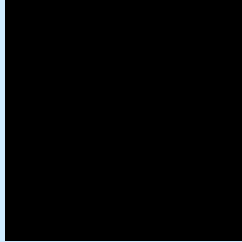
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

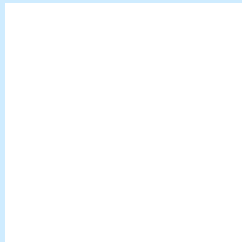
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4763, 0.2832, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 80.4763, 0.2832, 0.3089.



This preview shows how white text looks on a background with the Yxy color 80.4763, 0.2832, 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

80.4763, 0.2832, 0.3089

Protanopia

80.3817, 0.2997, 0.3075

Deuteranopia

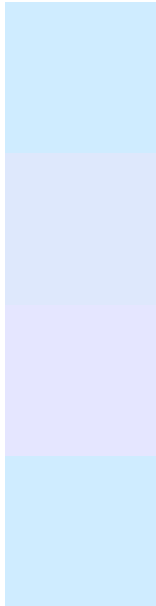
80.3135, 0.3046, 0.3001



Tritanopia

80.4763, 0.2832, 0.3089

Trichromacy



Original Color

80.4763, 0.2832, 0.3089

Protanomaly

80.2711, 0.2940, 0.3083

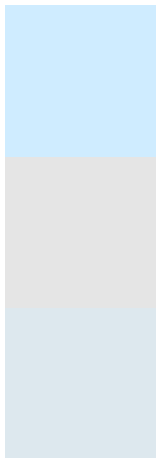
Deuteranomaly

80.4716, 0.2967, 0.3035

Tritanomaly

80.4763, 0.2832, 0.3089

Monochromacy



Original Color

80.4763, 0.2832, 0.3089

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.2584, 0.3017, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4763, 0.2832, 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(207, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.4763, 0.2832, 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(207, 236, 255) }
```

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

```
.border{ border-color:rgb(207, 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(207, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4763, 0.2832, 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(207, 236, 255) }
```

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

```
.background{ background-color: rgb(207,  
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](#).

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