

Converting Colors

$Yxy(85.5364, 0.2554, 0.2544)$

Have a look what the booklet for
Yxy(85.5364, 0.2554, 0.2544)
contains.

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Color

Yxy(80.9125, 0.2850, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	D2ECFF
RGB	210, 236, 255
RGB Percent	82%, 93%, 100%
CMY	0.1764, 0.0745, 0.0000
CMYK	0.18, 0.07, 0.00, 0.00
HSL	205°, 100%, 91%
HSV	205°, 18%, 100%
XYZ	74.6280, 80.9125, 106.3122
YIQ	230.3920, -21.5950, 0.3970

Conversions

Conversions Part 2

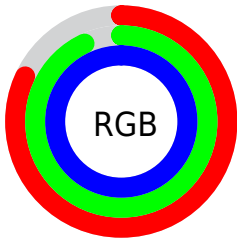
Format	Color
R _{YB}	210, 226, 255
Decimal	13823231
CIE _{Lab}	92.09, -4.64, -12.05
CIE _{LCh}	92, 12.911, 248.918
Y _{xy}	80.9125, 0.2850, 0.3090
Android (android.graphics.Color)	4292013311 (0xFFD2ECFF)
YUV	230.3920, 12.1317, -17.8838
Hunter-Lab	89.9514, -9.3226, -7.1080

Details

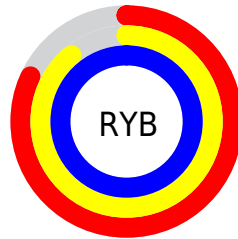
The Yxy color **80.9125, 0.2850, 0.3090** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.9563, 0.3437, 0.3482**, and the grayscale version is **79.3579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6883, 0.2790, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **71.4495, 0.2690, 0.2960**, and if you desaturate by 10%, it is **91.3491, 0.3009, 0.3208**.

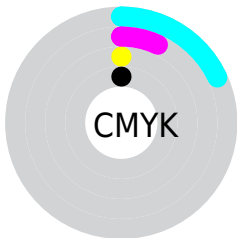
Distribution



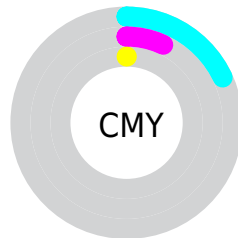
- Red (82%)
- Green (93%)
- Blue (100%)



- Red (82%)
- Yellow (89%)
- Blue (100%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9125, 0.2850, 0.3090 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 80.9125, 0.2850, 0.3090 by changing the saturation by 10% instead.

80.9125, 0.2850,
0.3090

80.9125, 0.2850,
0.3090

498.0027, 0.2975,
0.3181

60.4695, 0.2822,
0.3069

134.6479, 0.2893,
0.3121

43.7972, 0.2788,
0.3044

168.7091, 0.2909,
0.3134

30.5111, 0.2746,
0.3012

208.0786, 0.2924,
0.3144

20.2269, 0.2692,
0.2971

253.1406, 0.2937,
0.3154

12.5601, 0.2620,
0.2916

304.2797, 0.2948,
0.3162

7.1263, 0.2520,
0.2838

361.8801, 0.2958,

3.5412, 0.2372,

0.3169

0.2720

426.3263, 0.2967,
0.3176

■ 1.4204, 0.2132,
0.2522

■ 0.2317, 0.0742,
0.1610

■ 80.9125, 0.2850,
0.3090

■ 80.9125, 0.2850,
0.3090

■ 71.4495, 0.2690,
0.2960

■ 91.3491, 0.3009,
0.3208

■ 62.9203, 0.2532,
0.2819

100.0000, 0.3127,
0.3290

■ 55.2895, 0.2379,
0.2667

■ 48.5168, 0.2237,
0.2507

■ 42.5581, 0.2110,
0.2342

■ 37.3641, 0.2001,
0.2176

■ 32.8776, 0.1915,
0.2011

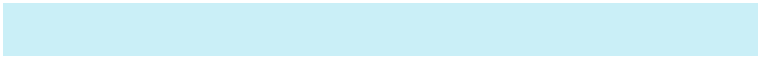
■ 29.0253, 0.1851,
0.1852

■ 28.1865, 0.1838,
0.1815

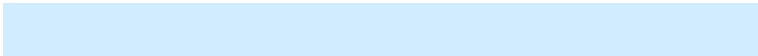
Harmonies

Analogous

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



80.9125, 0.2847, 0.3197



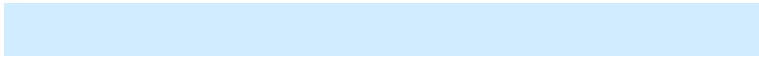
80.9125, 0.2850, 0.3090



80.9125, 0.2926, 0.3039

Triad

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



80.9125, 0.2850, 0.3090



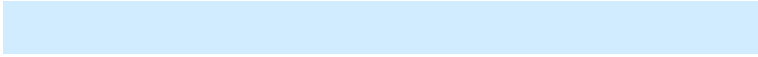
80.9125, 0.3341, 0.3242



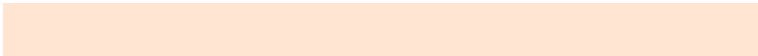
80.9125, 0.3193, 0.3541

Complementary

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



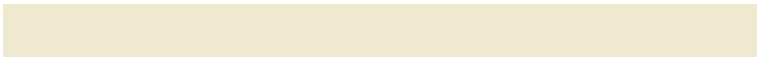
80.9125, 0.2850, 0.3090



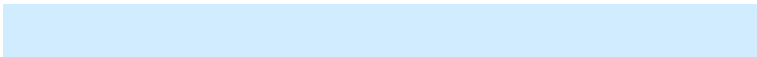
81.9563, 0.3437, 0.3482

Split Complementary

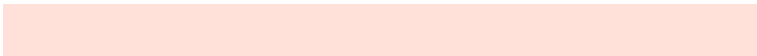
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9125, 0.3329, 0.3548



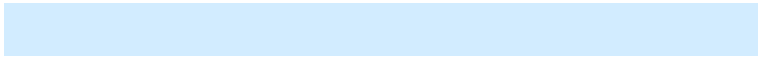
80.9125, 0.2850, 0.3090



80.9125, 0.3416, 0.3371

Square

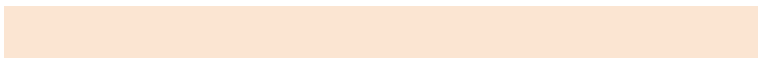
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



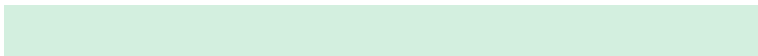
80.9125, 0.2850, 0.3090



80.9125, 0.3208, 0.3127



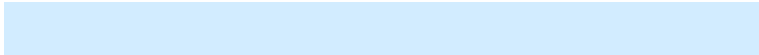
80.9125, 0.3412, 0.3484



80.9125, 0.3042, 0.3463

Rectangle

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



80.9125, 0.2850, 0.3090



80.9125, 0.3008, 0.3041



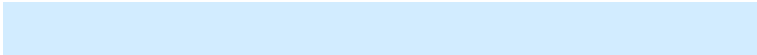
80.9125, 0.3412, 0.3484



80.9125, 0.3242, 0.3552

Sweetspot

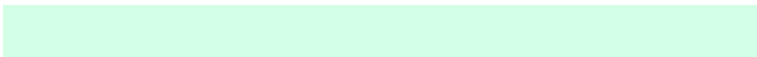
The Sweet Spot groups the original color and five complimentary colors.



80.9142, 0.2850, 0.3090



94.2743, 0.3050, 0.3237



90.8663, 0.3001, 0.3567



20.0107, 0.3039, 0.3230



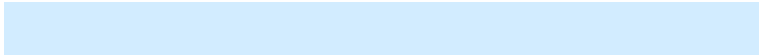
0.0000, 0.0000, 0.0000



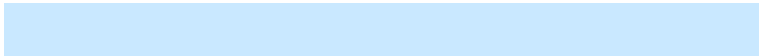
21.4041, 0.3127, 0.3290

Same Dimension

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



80.9142, 0.2850, 0.3090



77.6312, 0.2796, 0.3048



68.8933, 0.2838, 0.2849



19.1208, 0.2979, 0.3187



15.0302, 0.1845, 0.1841



1.6799, 0.1895, 0.2022

Inverse Universe

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



73.4134, 0.3280, 0.3031



69.0916, 0.3315, 0.2980



95.0646, 0.3400, 0.3696



18.1631, 0.3203, 0.3154



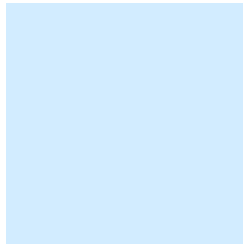
12.2453, 0.4636, 0.2328



1.2141, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 80.9125, 0.2850, 0.3090 looks on a white background.

Color Contrast Check

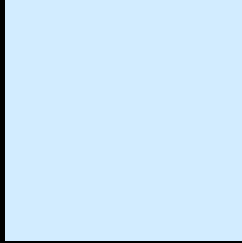
Large Text (above 18pt) WCAG AA × Fail

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 80.9125, 0.2850, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

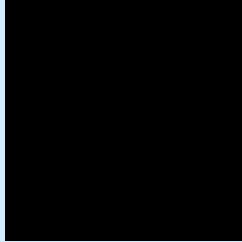
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

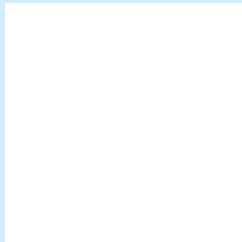
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9125, 0.2850, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 80.9125, 0.2850, 0.3090.



This preview shows how white text looks on a background with the Yxy color 80.9125, 0.2850, 0.3090.

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

80.9125, 0.2850, 0.3090

Protanopia

80.4449, 0.2991, 0.3065

Deuteranopia

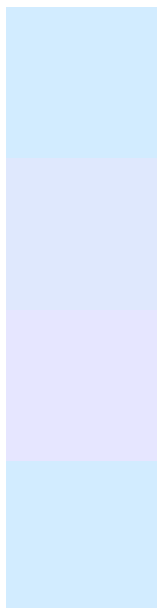
80.4900, 0.3053, 0.3001



Tritanopia

80.9125, 0.2850, 0.3090

Trichromacy



Original Color

80.9125, 0.2850, 0.3090

Protanomaly

80.4930, 0.2941, 0.3073

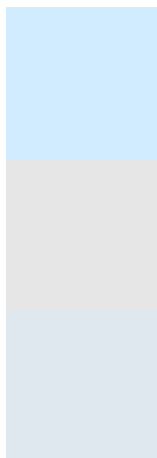
Deuteranomaly

80.6366, 0.2973, 0.3036

Tritanomaly

80.9125, 0.2850, 0.3090

Monochromacy



Original Color

80.9125, 0.2850, 0.3090

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6332, 0.3024, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9125, 0.2850, 0.3090 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(210, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 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(210, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.9125, 0.2850, 0.3090 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(210, 236, 255) }
```

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

```
.border{ border-color:rgb(210, 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(210, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9125, 0.2850, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 236, 255) }
```

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

```
.background{ background-color: rgb(210,  
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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