

Converting Colors

$Yxy(83.3230, 0.2836, 0.3088)$

Have a look what the booklet for
Yxy(83.3230, 0.2836, 0.3088)
contains.

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Color

Yxy(82.8019, 0.2858, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	D3EFFF
RGB	211, 239, 255
RGB Percent	83%, 94%, 100%
CMY	0.1722, 0.0628, 0.0000
CMYK	0.17, 0.06, 0.00, 0.00
HSL	202°, 100%, 91%
HSV	202°, 17%, 100%
XYZ	75.8001, 82.8019, 106.6187
YIQ	232.4520, -21.8240, -0.9600

Conversions

Conversions Part 2

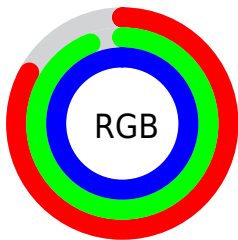
Format	Color
R_{YB}	211, 228, 255
Decimal	13889535
CIE _{Lab}	92.93, -5.84, -10.80
CIE _{LCh}	93, 12.276, 241.590
Yxy	82.8019, 0.2858, 0.3122
Android (android.graphics.Color)	4292079615 (0xFFD3EFFF)
YUV	232.4520, 11.1162, -18.8134
Hunter-Lab	90.9955, -10.5502, -5.7727

Details

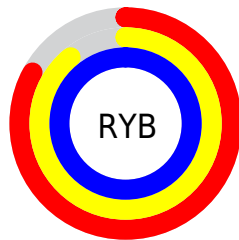
The Yxy color **82.8019, 0.2858, 0.3122** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.9570, 0.3433, 0.3452**, and the grayscale version is **80.9894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0121, 0.2801, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **74.0242, 0.2701, 0.3011**, and if you desaturate by 10%, it is **92.4602, 0.3015, 0.3223**.

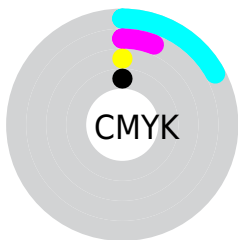
Distribution



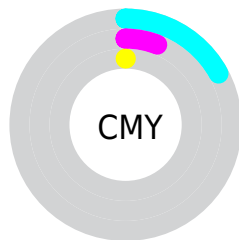
- Red (83%)
- Green (94%)
- Blue (100%)



- Red (83%)
- Yellow (89%)
- Blue (100%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8019, 0.2858, 0.3122 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 82.8019, 0.2858, 0.3122 by changing the saturation by 10% instead.

82.8019, 0.2858,
0.3122

82.8019, 0.2858,
0.3122

504.3261, 0.2979,
0.3199

62.0267, 0.2831,
0.3105

137.2980, 0.2899,
0.3148

45.0543, 0.2799,
0.3083

171.7877, 0.2915,
0.3159

31.5002, 0.2758,
0.3057

211.6177, 0.2929,
0.3168

20.9800, 0.2706,
0.3022

257.1724, 0.2942,
0.3176

13.1094, 0.2638,
0.2976

308.8362, 0.2953,
0.3182

7.5039, 0.2542,
0.2910

366.9935, 0.2962,

3.7792, 0.2402,

0.3189

0.2811

432.0286, 0.2971,
0.3194

■ 1.5508, 0.2176,
0.2643

■ 0.3241, 0.1031,
0.2020

■ 82.8019, 0.2858,
0.3122

■ 82.8019, 0.2858,
0.3122

■ 74.0242, 0.2701,
0.3011

■ 92.4602, 0.3015,
0.3223

■ 66.0903, 0.2548,
0.2891

100.0000, 0.3127,
0.3290

■ 58.9672, 0.2402,
0.2761

■ 52.6173, 0.2267,
0.2625

■ 46.9993, 0.2148,
0.2485

■ 42.0668, 0.2047,
0.2342

■ 37.7660, 0.1968,
0.2200

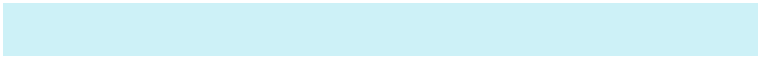
■ 34.0286, 0.1910,
0.2062

■ 33.0642, 0.1896,
0.2024

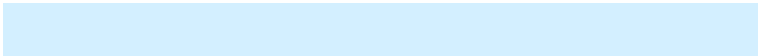
Harmonies

Analogous

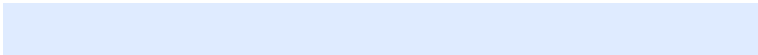
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8019, 0.2872, 0.3233



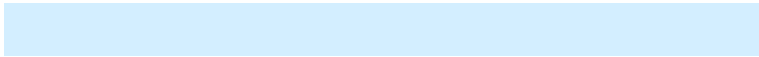
82.8019, 0.2858, 0.3122



82.8019, 0.2914, 0.3059

Triad

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



82.8019, 0.2858, 0.3122



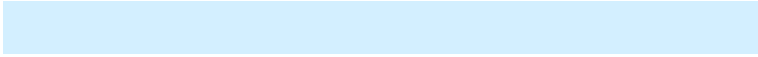
82.8019, 0.3302, 0.3216



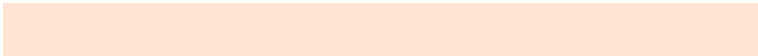
82.8019, 0.3224, 0.3535

Complementary

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



82.8019, 0.2858, 0.3122



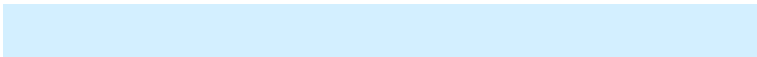
80.9570, 0.3433, 0.3452

Split Complementary

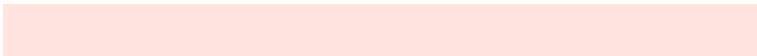
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8019, 0.3342, 0.3524



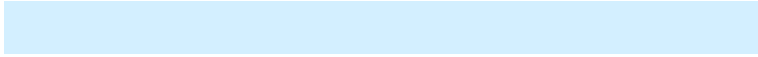
82.8019, 0.2858, 0.3122



82.8019, 0.3389, 0.3338

Square

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



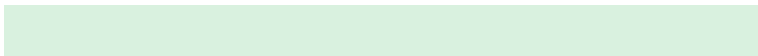
82.8019, 0.2858, 0.3122



82.8019, 0.3169, 0.3114



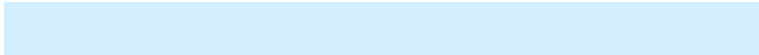
82.8019, 0.3404, 0.3451



82.8019, 0.3081, 0.3476

Rectangle

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



82.8019, 0.2858, 0.3122



82.8019, 0.2984, 0.3051



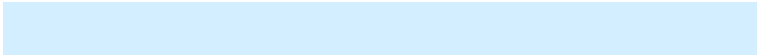
82.8019, 0.3404, 0.3451



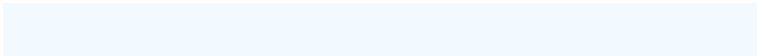
82.8019, 0.3268, 0.3539

Sweetspot

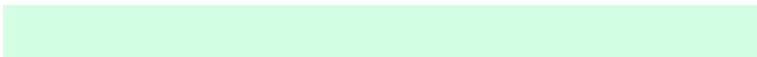
The Sweet Spot groups the original color and five complimentary colors.



82.8034, 0.2858, 0.3122



94.7308, 0.3050, 0.3244



90.8961, 0.3020, 0.3591



20.1217, 0.3039, 0.3238



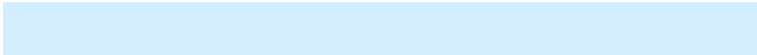
0.0000, 0.0000, 0.0000



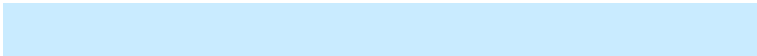
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8034, 0.2858, 0.3122



79.3873, 0.2799, 0.3082



71.0501, 0.2847, 0.2893



19.3021, 0.2980, 0.3201



17.5710, 0.1902, 0.2046



1.9190, 0.1946, 0.2204

Inverse Universe

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



74.1181, 0.3258, 0.3013



69.2689, 0.3292, 0.2950



93.3553, 0.3398, 0.3658



18.1814, 0.3194, 0.3140



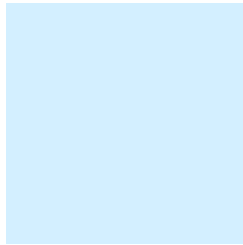
12.5018, 0.4401, 0.2198



1.2383, 0.4228, 0.2103

Previews

White Background



This preview shows how the Yxy color 82.8019, 0.2858, 0.3122 looks on a white background.

Color Contrast Check

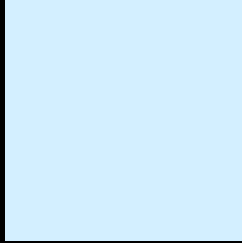
Large Text (above 18pt) WCAG AA × Fail

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 82.8019, 0.2858, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

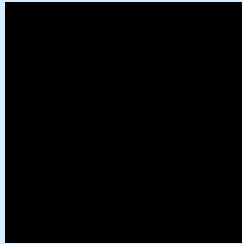
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

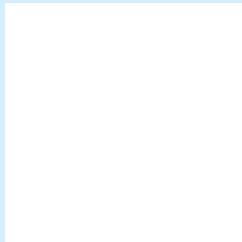
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8019, 0.2858, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 82.8019, 0.2858, 0.3122.



This preview shows how white text looks on a background with the Yxy color 82.8019, 0.2858, 0.3122.

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

82.8019, 0.2858, 0.3122

Protanopia

82.7353, 0.3023, 0.3108

Deuteranopia

82.6711, 0.3072, 0.3033



Tritanopia

82.6652, 0.2875, 0.3113

Trichromacy



Original Color

82.8019, 0.2858, 0.3122

Protanomaly

82.6137, 0.2966, 0.3116

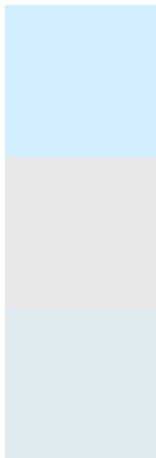
Deuteranomaly

82.8215, 0.2993, 0.3068

Tritanomaly

82.5152, 0.2869, 0.3113

Monochromacy



Original Color

82.8019, 0.2858, 0.3122

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5552, 0.3024, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8019, 0.2858, 0.3122 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(211, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 239, 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(211, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.8019, 0.2858, 0.3122 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(211, 239, 255) }
```

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

```
.border{ border-color:rgb(211, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8019, 0.2858, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 239, 255) }
```

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

```
.background{ background-color: rgb(211,  
239, 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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