

Converting Colors

$Yxy(83.5621, 0.2760, 0.3008)$

Have a look what the booklet for
Yxy(83.5621, 0.2760, 0.3008)
contains.

Yxy(82.6620, 0.2829, 0.3132)	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(82.6620, 0.2829, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	CEF0FF
RGB	206, 240, 255
RGB Percent	81%, 94%, 100%
CMY	0.1920, 0.0588, 0.0001
CMYK	0.19, 0.06, 0.00, 0.00
HSL	198°, 100%, 90%
HSV	198°, 19%, 100%
XYZ	74.6650, 82.6620, 106.6002
YIQ	231.5440, -25.0790, -2.5430

Conversions

Conversions Part 2

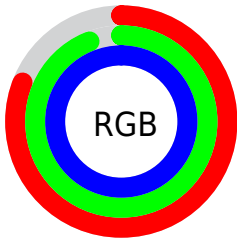
Format	Color
R _Y B	206, 226, 255
Decimal	13562111
CIE Lab	92.87, -7.90, -10.89
CIE LCh	93, 13.457, 234.039
Yxy	82.6620, 0.2829, 0.3132
Android (android.graphics.Color)	4291752191 (0xFFCEFF)
YUV	231.5440, 11.5638, -22.4021
Hunter-Lab	90.9186, -12.5183, -5.8732

Details

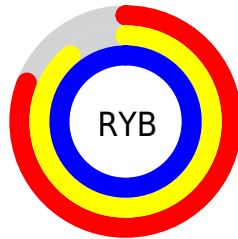
The Yxy color **82.6620, 0.2829, 0.3132** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4227, 0.3479, 0.3443**, and the grayscale version is **80.2681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9375, 0.2765, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **74.8137, 0.2676, 0.3038**, and if you desaturate by 10%, it is **91.3063, 0.2984, 0.3218**.

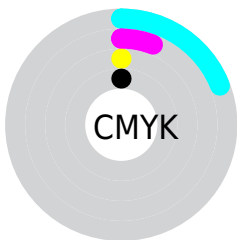
Distribution



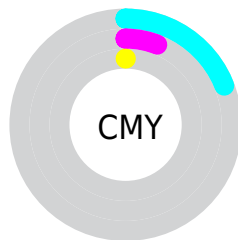
- Red (81%)
- Green (94%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6620, 0.2829, 0.3132 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 82.6620, 0.2829, 0.3132 by changing the saturation by 10% instead.

82.6620, 0.2829,
0.3132

82.6620, 0.2829,
0.3132

503.8594, 0.2963,
0.3205

61.9114, 0.2800,
0.3116

137.1020, 0.2875,
0.3157

44.9611, 0.2764,
0.3095

171.5601, 0.2892,
0.3167

31.4268, 0.2719,
0.3070

211.3561, 0.2908,
0.3175

20.9240, 0.2662,
0.3036

256.8745, 0.2922,
0.3183

13.0685, 0.2586,
0.2992

308.4996, 0.2934,
0.3189

7.4757, 0.2481,
0.2928

366.6159, 0.2944,

3.7614, 0.2327,

0.3195

0.2830

431.6077, 0.2954,
0.3200

■ 1.5410, 0.2080,
0.2665

■ 0.3173, 0.0706,
0.2060

■ 82.6620, 0.2829,
0.3132

■ 82.6620, 0.2829,
0.3132

■ 74.8137, 0.2676,
0.3038

■ 91.3063, 0.2984,
0.3218

■ 67.7204, 0.2529,
0.2936

99.9980, 0.3127,
0.3290

■ 61.3520, 0.2392,
0.2828

■ 55.6722, 0.2268,
0.2715

■ 50.6407, 0.2161,
0.2598

■ 46.2120, 0.2074,
0.2480

■ 42.3321, 0.2007,
0.2363

■ 38.9216, 0.1959,
0.2248

■ 38.6596, 0.1955,
0.2239

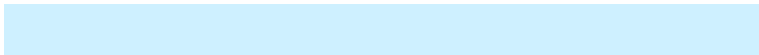
Harmonies

Analogous

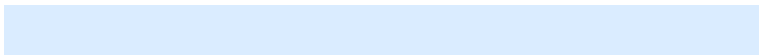
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6620, 0.2864, 0.3263



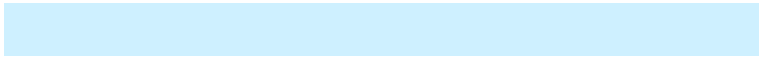
82.6620, 0.2829, 0.3132



82.6620, 0.2871, 0.3048

Triad

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



82.6620, 0.2829, 0.3132



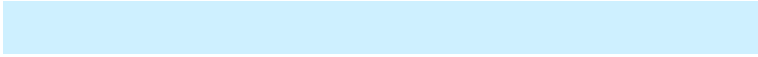
82.6620, 0.3286, 0.3177



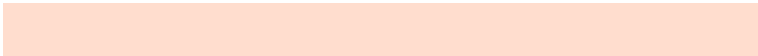
82.6620, 0.3270, 0.3564

Complementary

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



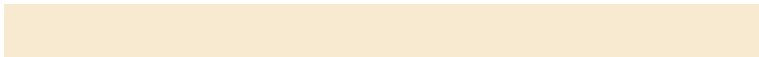
82.6620, 0.2829, 0.3132



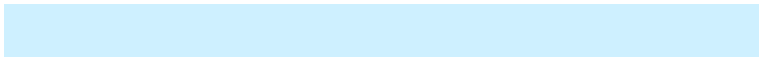
77.4227, 0.3479, 0.3443

Split Complementary

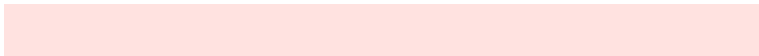
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6620, 0.3387, 0.3532



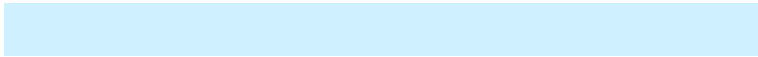
82.6620, 0.2829, 0.3132



82.6620, 0.3397, 0.3308

Square

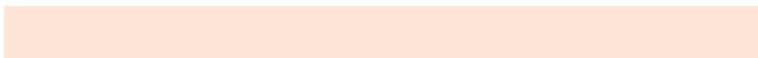
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



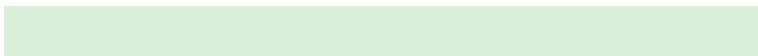
82.6620, 0.2829, 0.3132



82.6620, 0.3133, 0.3077



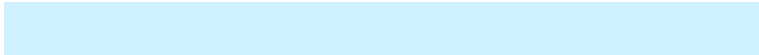
82.6620, 0.3435, 0.3437



82.6620, 0.3116, 0.3518

Rectangle

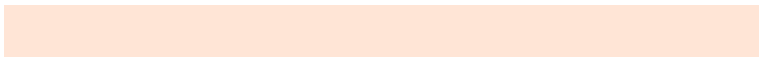
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6620, 0.2829, 0.3132



82.6620, 0.2938, 0.3028



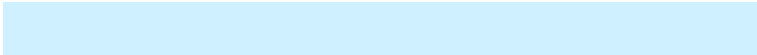
82.6620, 0.3435, 0.3437



82.6620, 0.3315, 0.3561

Sweetspot

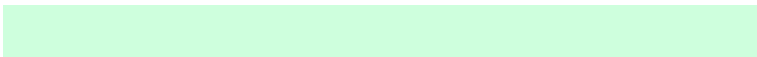
The Sweet Spot groups the original color and five complimentary colors.



82.6654, 0.2829, 0.3132



94.2636, 0.3034, 0.3244



89.8312, 0.3021, 0.3656



20.0465, 0.3024, 0.3239



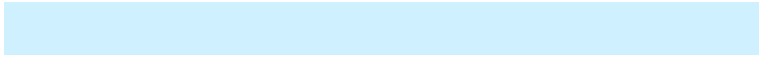
0.0000, 0.0000, 0.0000



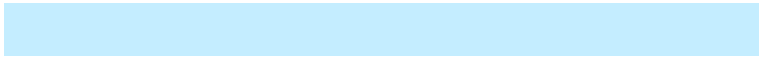
21.4041, 0.3127, 0.3290

Same Dimension

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



82.6654, 0.2829, 0.3132



79.6079, 0.2770, 0.3097



69.3622, 0.2813, 0.2869



19.4887, 0.2980, 0.3216



20.4823, 0.1961, 0.2258



2.1877, 0.1997, 0.2389

Inverse Universe

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



71.7023, 0.3254, 0.2953



67.0161, 0.3285, 0.2883



91.1261, 0.3434, 0.3679



18.2002, 0.3185, 0.3126



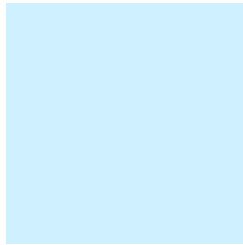
12.7957, 0.4171, 0.2071



1.2654, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 82.6620, 0.2829, 0.3132 looks on a white background.

Color Contrast Check

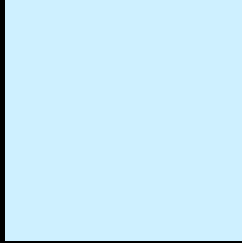
Large Text (above 18pt) WCAG AA × Fail

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 82.6620, 0.2829, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

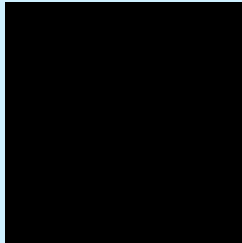
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

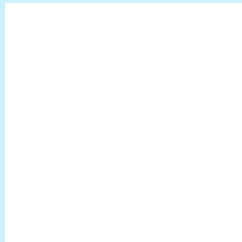
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6620, 0.2829, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 82.6620, 0.2829, 0.3132.

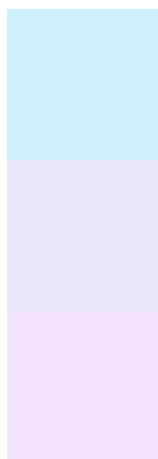


This preview shows how white text looks on a background with the Yxy color 82.6620, 0.2829, 0.3132.

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

82.6620, 0.2829, 0.3132

Protanopia

82.5036, 0.3023, 0.3117

Deuteranopia

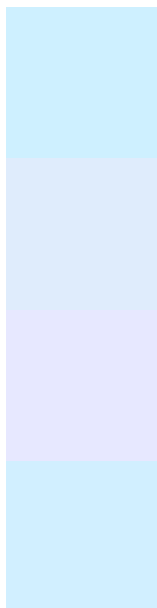
82.1193, 0.3072, 0.3023



Tritanopia

82.8019, 0.2858, 0.3122

Trichromacy



Original Color

82.6620, 0.2829, 0.3132

Protanomaly

82.7072, 0.2947, 0.3125

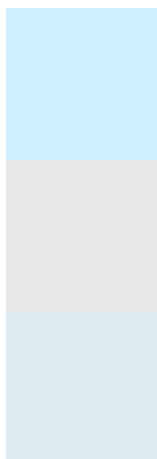
Deuteranomaly

81.9221, 0.2980, 0.3057

Tritanomaly

82.5083, 0.2846, 0.3122

Monochromacy



Original Color

82.6620, 0.2829, 0.3132

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3959, 0.3018, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6620, 0.2829, 0.3132 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(206, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 240, 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(206, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.6620, 0.2829, 0.3132 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(206, 240, 255) }
```

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

```
.border{ border-color:rgb(206, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6620, 0.2829, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 240, 255) }
```

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

```
.background{ background-color: rgb(206,  
240, 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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