

# Converting Colors

$Yxy(86.0852, 0.2532, 0.2561)$

Have a look what the booklet for  
Yxy(86.0852, 0.2532, 0.2561)  
contains.

<b>Yxy(81.3482, 0.2821, 0.3110)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(81.3482, 0.2821, 0.3110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDEEFF
RGB	205, 238, 255
RGB Percent	80%, 93%, 100%
CMY	0.1963, 0.0666, 0.0000
CMYK	0.20, 0.07, 0.00, 0.00
HSL	200°, 100%, 90%
HSV	200°, 20%, 100%
XYZ	73.7888, 81.3482, 106.4327
YIQ	230.0710, -25.1250, -1.7090

# Conversions

## Conversions Part 2

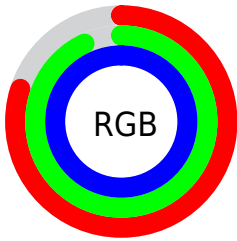
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 225, 255
Decimal	13496063
CIE Lab	92.29, -7.21, -11.79
CIE LCh	92, 13.820, 238.532
Yxy	81.3482, 0.2821, 0.3110
Android (android.graphics.Color)	4291686143 (0xFFCDEEFF)
YUV	230.0710, 12.2900, -21.9873
Hunter-Lab	90.1932, -11.8039, -6.8300

# Details

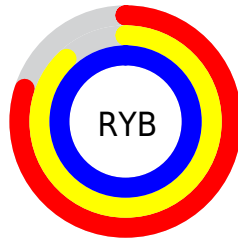
The Yxy color **81.3482, 0.2821, 0.3110** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8602, 0.3485, 0.3463**, and the grayscale version is **79.1000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0171, 0.2755, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **73.1003, 0.2666, 0.3005**, and if you desaturate by 10%, it is **90.4334, 0.2978, 0.3206**.

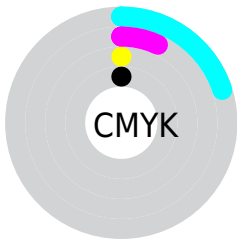
# Distribution



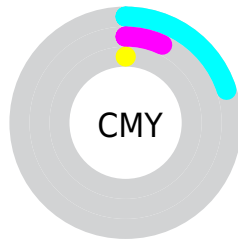
- Red (80%)
- Green (93%)
- Blue (100%)



- 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 81.3482, 0.2821, 0.3110 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 81.3482, 0.2821, 0.3110 by changing the saturation by 10% instead.



81.3482, 0.2821,  
0.3110

81.3482, 0.2821,  
0.3110

499.4648, 0.2959,  
0.3193

60.8284, 0.2791,  
0.3091

135.2596, 0.2868,  
0.3139

44.0867, 0.2753,  
0.3068

169.4200, 0.2886,  
0.3150

30.7387, 0.2707,  
0.3039

208.8960, 0.2902,  
0.3159

20.3999, 0.2648,  
0.3001

254.0721, 0.2916,  
0.3168

12.6861, 0.2569,  
0.2950

305.3326, 0.2929,  
0.3175

7.2128, 0.2461,  
0.2878

363.0620, 0.2940,

3.5955, 0.2300,

0.3182

0.2767

427.6446, 0.2950,  
0.3188

■ 1.4500, 0.2042,  
0.2580

■ 0.2531, 0.0453,  
0.1778

■ 81.3482, 0.2821,  
0.3110

■ 81.3482, 0.2821,  
0.3110

■ 73.1003, 0.2666,  
0.3005

■ 90.4334, 0.2978,  
0.3206

■ 65.6510, 0.2517,  
0.2891

100.0000, 0.3127,  
0.3290

■ 58.9682, 0.2376,  
0.2770

■ 53.0143, 0.2248,  
0.2643

■ 47.7480, 0.2137,  
0.2512

■ 43.1223, 0.2045,  
0.2380

■ 39.0817, 0.1975,  
0.2250

■ 35.5415, 0.1923,  
0.2121

■ 35.4182, 0.1921,  
0.2117

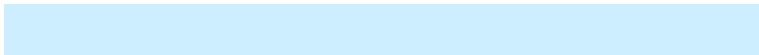
# Harmonies

## Analogous

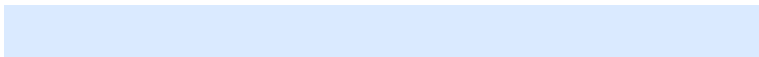
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3482, 0.2845, 0.3240



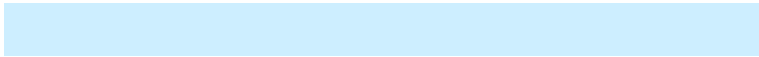
81.3482, 0.2821, 0.3110



81.3482, 0.2876, 0.3033

# Triad

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



81.3482, 0.2821, 0.3110



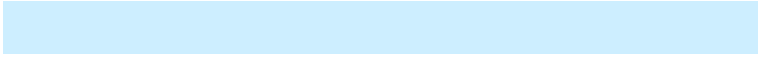
81.3482, 0.3312, 0.3192



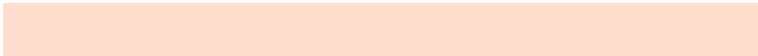
81.3482, 0.3252, 0.3571

# Complementary

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



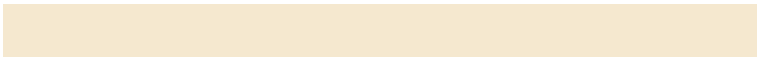
81.3482, 0.2821, 0.3110



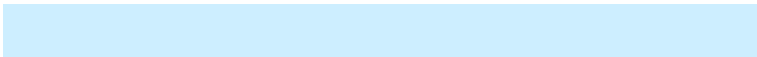
77.8602, 0.3485, 0.3463

# Split Complementary

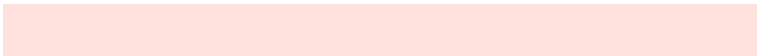
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3482, 0.3382, 0.3550



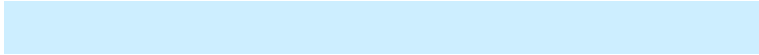
81.3482, 0.2821, 0.3110



81.3482, 0.3417, 0.3329

# Square

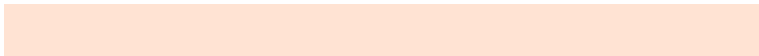
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



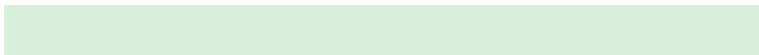
81.3482, 0.2821, 0.3110



81.3482, 0.3157, 0.3082



81.3482, 0.3443, 0.3460

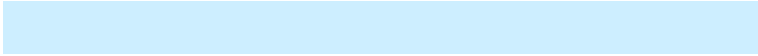


81.3482, 0.3091, 0.3512



# Rectangle

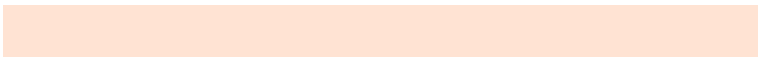
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



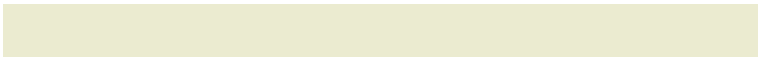
81.3482, 0.2821, 0.3110



81.3482, 0.2951, 0.3019



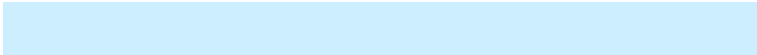
81.3482, 0.3443, 0.3460



81.3482, 0.3301, 0.3572

# Sweetspot

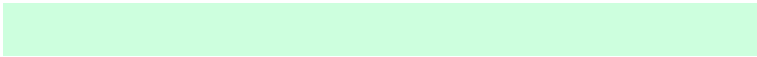
The Sweet Spot groups the original color and five complimentary colors.



81.3505, 0.2821, 0.3110



93.9468, 0.3034, 0.3239



89.7432, 0.3010, 0.3647



19.9715, 0.3024, 0.3233



0.0000, 0.0000, 0.0000

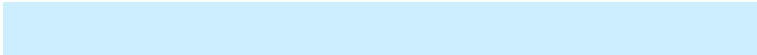


21.4041, 0.3127, 0.3290

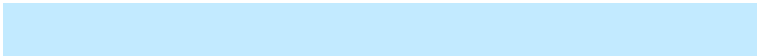


# Same Dimension

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



81.3505, 0.2821, 0.3110



77.6482, 0.2753, 0.3065



67.9174, 0.2804, 0.2840



19.3829, 0.2980, 0.3207



18.7945, 0.1927, 0.2138



2.0325, 0.1968, 0.2285



# Inverse Universe

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



71.0645, 0.3270, 0.2961



65.7092, 0.3308, 0.2884



91.9755, 0.3439, 0.3703



18.1895, 0.3190, 0.3134



12.6253, 0.4299, 0.2142

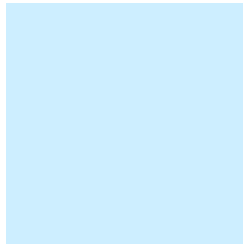


1.2497, 0.4143, 0.2056



# Previews

## White Background



This preview shows how the Yxy color 81.3482, 0.2821, 0.3110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

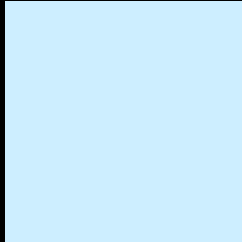
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.3482, 0.2821, 0.3110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

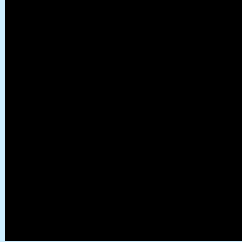
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

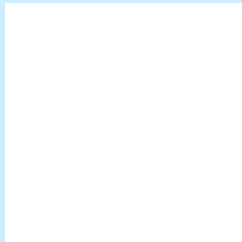
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.3482, 0.2821, 0.3110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.3482, 0.2821, 0.3110.

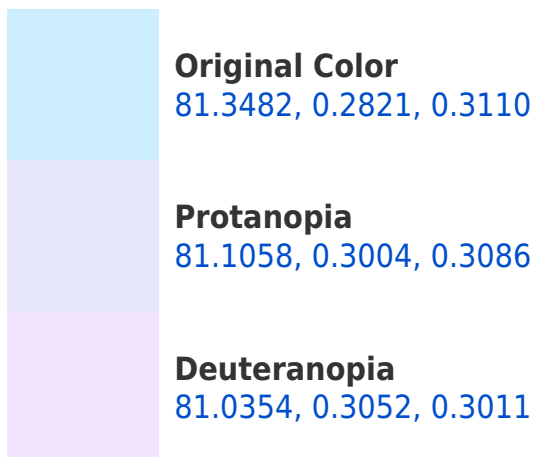


This preview shows how white text looks on a background with the Yxy color 81.3482, 0.2821, 0.3110.

# 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





## Tritanopia

81.0538, 0.2833, 0.3100

# Trichromacy



**Original Color**

81.3482, 0.2821, 0.3110

**Protanomaly**

81.4035, 0.2940, 0.3104

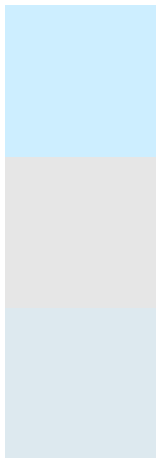
**Deuteranomaly**

81.0298, 0.2967, 0.3046

**Tritanomaly**

80.9102, 0.2827, 0.3100

# Monochromacy



**Original Color**

81.3482, 0.2821, 0.3110

**Achromatopsia**

79.1298, 0.3127, 0.3290

**Achromatomaly**

79.8820, 0.3011, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.3482, 0.2821, 0.3110 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.3482, 0.2821, 0.3110 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, 238, 255) }
```

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

```
.border{ border-color:rgb(205, 238, 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, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.3482, 0.2821, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 238, 255) }
```

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

```
.background{ background-color: rgb(205,  
238, 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