

Converting Colors

Yxy(83.6129, 0.2797, 0.3162)

Have a look what the booklet for
Yxy(83.6129, 0.2797, 0.3162)
contains.

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Color

Yxy(83.6005, 0.2796, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	C8F3FF
RGB	200, 243, 255
RGB Percent	78%, 95%, 100%
CMY	0.2157, 0.0471, 0.0000
CMYK	0.22, 0.05, 0.00, 0.00
HSL	193°, 100%, 89%
HSV	193°, 22%, 100%
XYZ	73.9238, 83.6005, 106.8669
YIQ	231.5110, -29.4800, -5.3840

Conversions

Conversions Part 2

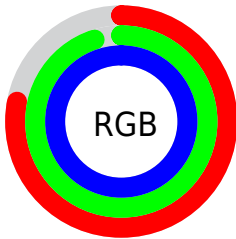
Format	Color
R_{YB}	200, 224, 255
Decimal	13169663
CIE _{Lab}	93.28, -11.20, -10.35
CIE _{LCh}	93, 15.252, 222.733
Yxy	83.6005, 0.2796, 0.3162
Android (android.graphics.Color)	4291359743 (0xFFC8F3FF)
YUV	231.5110, 11.5801, -27.6351
Hunter-Lab	91.4333, -15.6911, -5.2946

Details

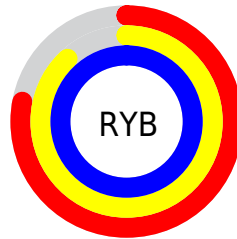
The Yxy color **83.6005, 0.2796, 0.3162** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5205, 0.3541, 0.3414**, and the grayscale version is **80.2418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6376, 0.2726, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **77.0991, 0.2650, 0.3095**, and if you desaturate by 10%, it is **90.7921, 0.2948, 0.3225**.

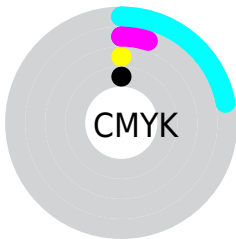
Distribution



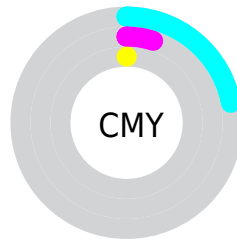
- Red (78%)
- Green (95%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6005, 0.2796, 0.3162 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 83.6005, 0.2796, 0.3162 by changing the saturation by 10% instead.

83.6005, 0.2796,
0.3162

83.6005, 0.2796,
0.3162

506.9857, 0.2944,
0.3222

62.6857, 0.2763,
0.3148

138.4162, 0.2846,
0.3183

45.5870, 0.2724,
0.3131

173.0858, 0.2866,
0.3191

31.9200, 0.2675,
0.3110

213.1092, 0.2883,
0.3198

21.3004, 0.2612,
0.3082

258.8707, 0.2898,
0.3204

13.3438, 0.2529,
0.3044

310.7547, 0.2912,
0.3209

7.6657, 0.2415,
0.2989

369.1456, 0.2924,

3.8818, 0.2249,

0.3214

0.2905

434.4278, 0.2934,
0.3218

1.6077, 0.1984,
0.2759

0.3628, 0.0457,
0.2324

83.6005, 0.2796,
0.3162

83.6005, 0.2796,
0.3162

77.0991, 0.2650,
0.3095

90.7921, 0.2948,
0.3225

71.2524, 0.2514,
0.3022

98.6961, 0.3103,
0.3282

66.0299, 0.2390,
0.2946

100.0000, 0.3127,
0.3290

61.3961, 0.2282,
0.2867

■ 57.3111, 0.2193,
0.2786

■ 53.7296, 0.2123,
0.2705

■ 50.5969, 0.2073,
0.2624

■ 48.2337, 0.2044,
0.2556

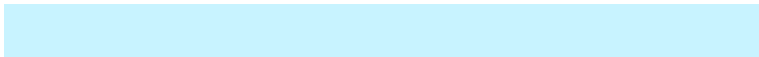
Harmonies

Analogous

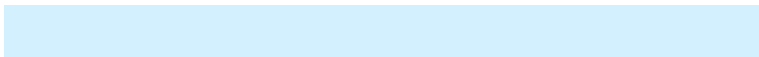
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6005, 0.2867, 0.3321



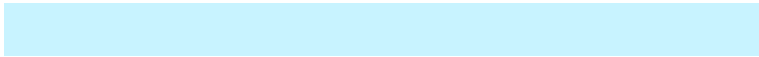
83.6005, 0.2796, 0.3162



83.6005, 0.2811, 0.3044

Triad

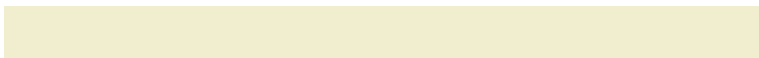
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6005, 0.2796, 0.3162



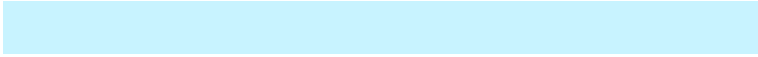
83.6005, 0.3244, 0.3115



83.6005, 0.3345, 0.3596

Complementary

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



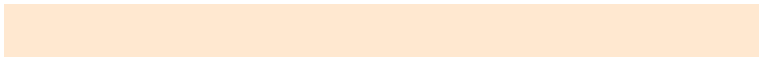
83.6005, 0.2796, 0.3162



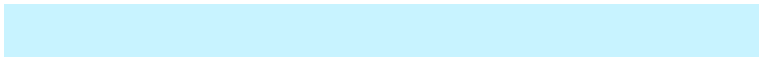
72.5205, 0.3541, 0.3414

Split Complementary

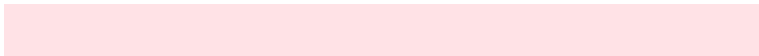
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6005, 0.3452, 0.3529



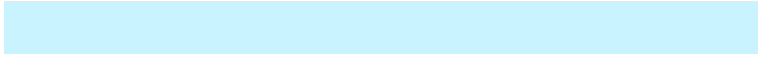
83.6005, 0.2796, 0.3162



83.6005, 0.3393, 0.3252

Square

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



83.6005, 0.2796, 0.3162



83.6005, 0.3066, 0.3022



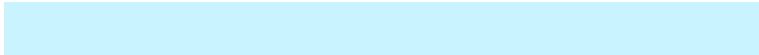
83.6005, 0.3470, 0.3403



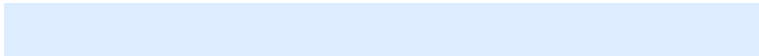
83.6005, 0.3181, 0.3578

Rectangle

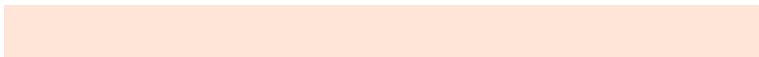
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6005, 0.2796, 0.3162



83.6005, 0.2868, 0.3003



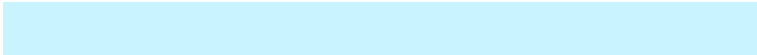
83.6005, 0.3470, 0.3403



83.6005, 0.3389, 0.3582

Sweetspot

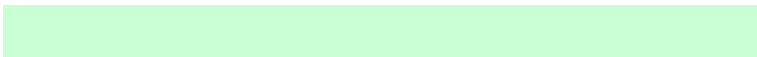
The Sweet Spot groups the original color and five complimentary colors.



83.6024, 0.2796, 0.3162



95.1013, 0.3034, 0.3257



88.5499, 0.3033, 0.3759



20.2449, 0.3024, 0.3253



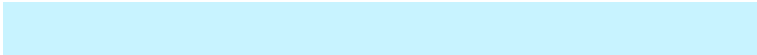
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.6024, 0.2796, 0.3162



80.6357, 0.2731, 0.3133



68.4016, 0.2775, 0.2862



19.7692, 0.2980, 0.3237



25.4329, 0.2047, 0.2570



2.6349, 0.2073, 0.2661

Inverse Universe

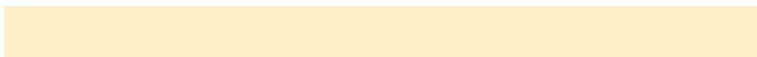
The Inverse Universe completely reimagines the original color for something new.



69.0431, 0.3238, 0.2863



63.8493, 0.3265, 0.2773



87.4090, 0.3484, 0.3685



18.2285, 0.3172, 0.3106



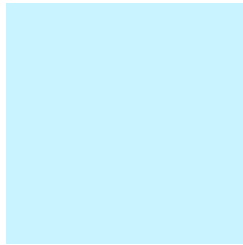
13.2954, 0.3854, 0.1896



1.3105, 0.3765, 0.1848

Previews

White Background



This preview shows how the Yxy color 83.6005, 0.2796, 0.3162 looks on a white background.

Color Contrast Check

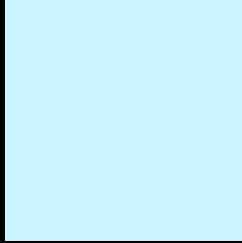
Large Text (above 18pt) WCAG AA × Fail

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 83.6005, 0.2796, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

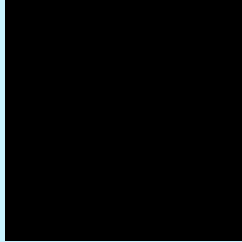
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

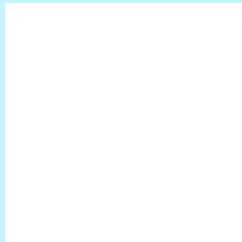
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6005, 0.2796, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 83.6005, 0.2796, 0.3162.

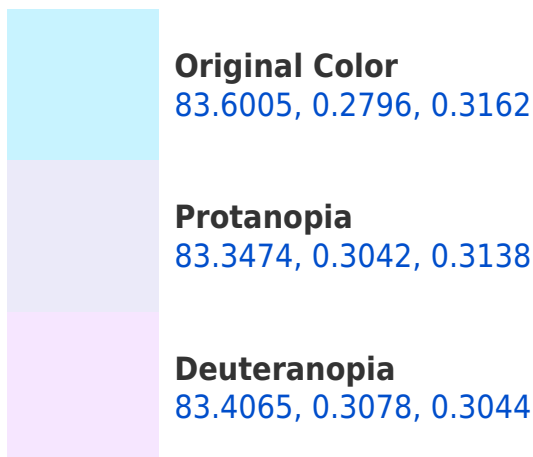


This preview shows how white text looks on a background with the Yxy color 83.6005, 0.2796, 0.3162.

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

83.2418, 0.2852, 0.3133

Trichromacy



Original Color

83.6005, 0.2796, 0.3162

Protanomaly

83.0630, 0.2947, 0.3145

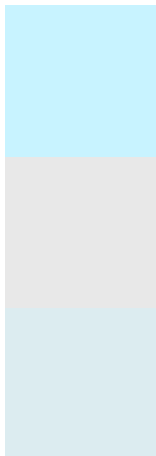
Deuteranomaly

83.2947, 0.2967, 0.3087

Tritanomaly

83.2524, 0.2829, 0.3142

Monochromacy



Original Color

83.6005, 0.2796, 0.3162

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.4978, 0.2998, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6005, 0.2796, 0.3162 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(200, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 243, 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(200, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.6005, 0.2796, 0.3162 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(200, 243, 255) }
```

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

```
.border{ border-color:rgb(200, 243, 255) }
```

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

Here you see how a box with a 4 pixel rgb(200, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6005, 0.2796, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 243, 255) }
```

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

```
.background{ background-color: rgb(200,  
243, 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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