

Converting Colors

Yxy(83.4406, 0.2894, 0.3120)

Have a look what the booklet for
Yxy(83.4406, 0.2894, 0.3120)
contains.

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Color

Yxy(83.7047, 0.2894, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	D9EFFF
RGB	217, 239, 255
RGB Percent	85%, 94%, 100%
CMY	0.1489, 0.0628, 0.0000
CMYK	0.15, 0.06, 0.00, 0.00
HSL	205°, 100%, 93%
HSV	205°, 15%, 100%
XYZ	77.5421, 83.7047, 106.6940
YIQ	234.2460, -18.2480, 0.3120

Conversions

Conversions Part 2

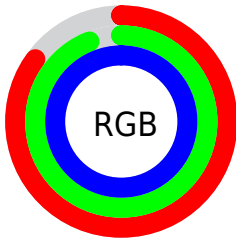
Format	Color
R_{YB}	217, 231, 255
Decimal	14282751
CIE _{Lab}	93.32, -4.02, -10.16
CIE _{LCh}	93, 10.929, 248.442
Yxy	83.7047, 0.2894, 0.3124
Android (android.graphics.Color)	4292472831 (0xFFD9EFFF)
YUV	234.2460, 10.2317, -15.1247
Hunter-Lab	91.4903, -8.8213, -5.0996

Details

The Yxy color **83.7047, 0.2894, 0.3124** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5744, 0.3383, 0.3450**, and the grayscale version is **82.4121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6256, 0.2846, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **73.9863, 0.2734, 0.2998**, and if you desaturate by 10%, it is **94.4056, 0.3052, 0.3239**.

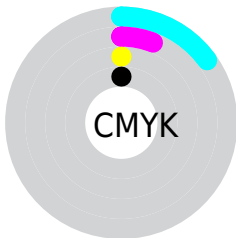
Distribution



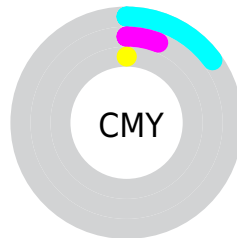
- Red (85%)
- Green (94%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7047, 0.2894, 0.3124 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 83.7047, 0.2894, 0.3124 by changing the saturation by 10% instead.

83.7047, 0.2894,
0.3124

83.7047, 0.2894,
0.3124

507.3321, 0.2999,
0.3199

62.7717, 0.2871,
0.3107

138.5620, 0.2930,
0.3150

45.6565, 0.2843,
0.3086

173.2551, 0.2944,
0.3160

31.9749, 0.2808,
0.3060

213.3036, 0.2956,
0.3169

21.3423, 0.2763,
0.3027

259.0920, 0.2967,
0.3177

13.3744, 0.2703,
0.2982

311.0047, 0.2976,
0.3183

7.6869, 0.2620,
0.2919

369.4260, 0.2984,

3.8953, 0.2498,

0.3189

0.2825

434.7403, 0.2992,
0.3195

■ 1.6151, 0.2301,
0.2667

■ 0.3678, 0.1447,
0.2116

■ 83.7047, 0.2894,
0.3124

■ 83.7047, 0.2894,
0.3124

■ 73.9863, 0.2734,
0.2998

■ 94.4056, 0.3052,
0.3239

■ 65.2099, 0.2575,
0.2860

100.0000, 0.3127,
0.3290

■ 57.3414, 0.2421,
0.2711

■ 50.3413, 0.2275,
0.2553

■ 44.1669, 0.2144,
0.2390

■ 38.7705, 0.2030,
0.2223

■ 34.0974, 0.1937,
0.2058

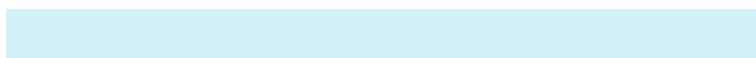
■ 30.0818, 0.1867,
0.1897

■ 28.2380, 0.1838,
0.1818

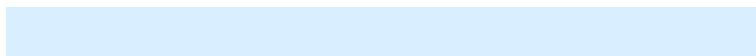
Harmonies

Analogous

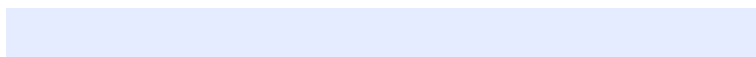
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7047, 0.2892, 0.3215



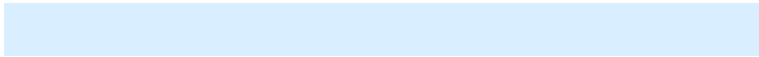
83.7047, 0.2894, 0.3124



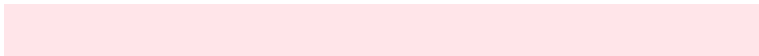
83.7047, 0.2957, 0.3079

Triad

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



83.7047, 0.2894, 0.3124



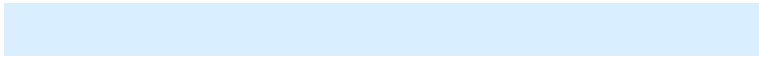
83.7047, 0.3305, 0.3248



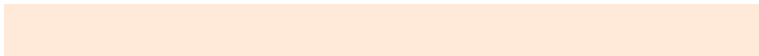
83.7047, 0.3185, 0.3500

Complementary

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



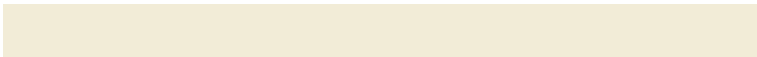
83.7047, 0.2894, 0.3124



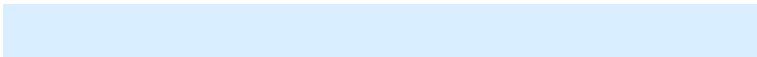
84.5744, 0.3383, 0.3450

Split Complementary

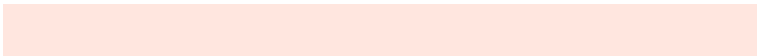
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7047, 0.3298, 0.3505



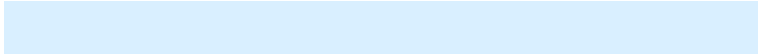
83.7047, 0.2894, 0.3124



83.7047, 0.3368, 0.3357

Square

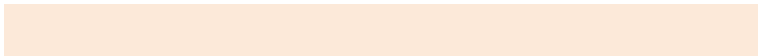
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7047, 0.2894, 0.3124



83.7047, 0.3193, 0.3151



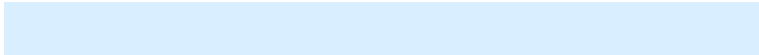
83.7047, 0.3365, 0.3452



83.7047, 0.3058, 0.3435

Rectangle

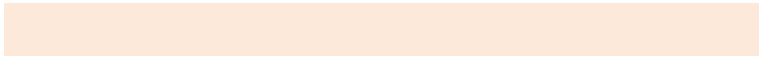
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7047, 0.2894, 0.3124



83.7047, 0.3026, 0.3080



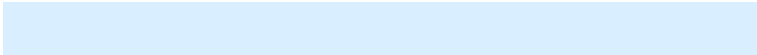
83.7047, 0.3365, 0.3452



83.7047, 0.3226, 0.3509

Sweetspot

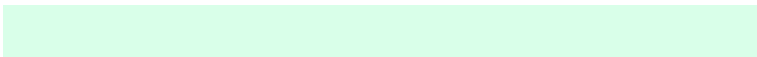
The Sweet Spot groups the original color and five complimentary colors.



83.7068, 0.2894, 0.3124



95.4032, 0.3065, 0.3248



92.1524, 0.3020, 0.3520



20.2391, 0.3054, 0.3240



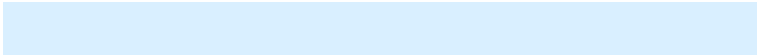
0.0000, 0.0000, 0.0000



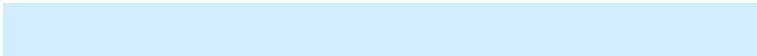
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7068, 0.2894, 0.3124



80.5777, 0.2844, 0.3086



73.2695, 0.2887, 0.2925



19.1229, 0.2979, 0.3187



15.0570, 0.1846, 0.1843



1.6824, 0.1896, 0.2024

Inverse Universe

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



77.1367, 0.3252, 0.3073



72.9456, 0.3283, 0.3026



95.7899, 0.3356, 0.3631



18.1633, 0.3203, 0.3153



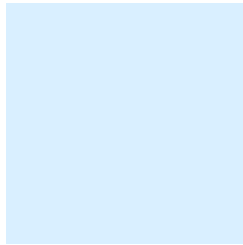
12.2480, 0.4634, 0.2326



1.2144, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 83.7047, 0.2894, 0.3124 looks on a white background.

Color Contrast Check

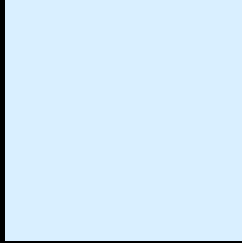
Large Text (above 18pt) WCAG AA × Fail

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 83.7047, 0.2894, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

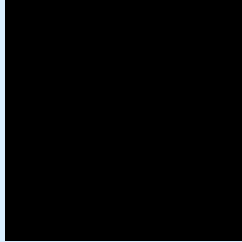
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

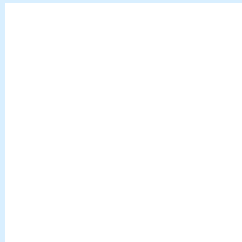
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7047, 0.2894, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 83.7047, 0.2894, 0.3124.

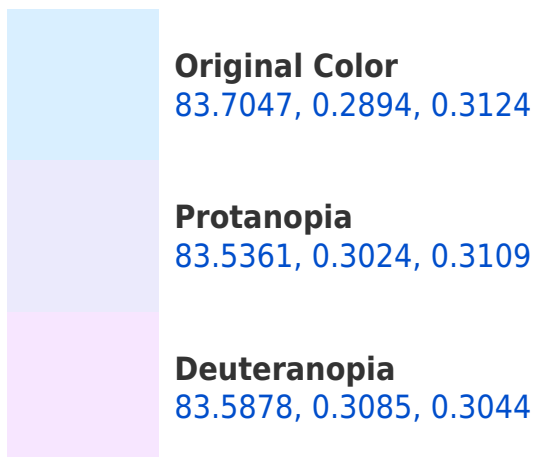


This preview shows how white text looks on a background with the Yxy color 83.7047, 0.2894, 0.3124.

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

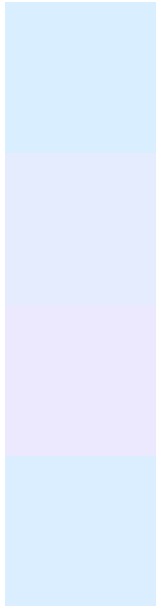




Tritanopia

83.5847, 0.2912, 0.3115

Trichromacy



Original Color

83.7047, 0.2894, 0.3124

Protanomaly

83.5767, 0.2973, 0.3117

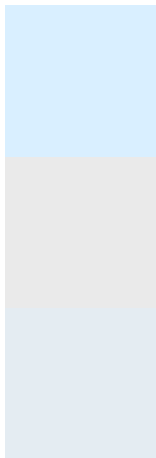
Deuteranomaly

83.3307, 0.3012, 0.3069

Tritanomaly

83.4291, 0.2906, 0.3114

Monochromacy



Original Color

83.7047, 0.2894, 0.3124

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8957, 0.3038, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7047, 0.2894, 0.3124 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(217, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.7047, 0.2894, 0.3124 is called "border". The border property can be set on classes, ids or directly on the HTML element.

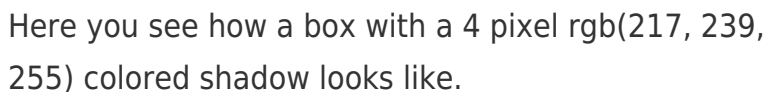
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 239, 255) }
```

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

```
.border{ border-color:rgb(217, 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(217, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 239, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 239, 255); box-shadow:4px 4px 4px 4px rgb(217, 239, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7047, 0.2894, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 239, 255) }
```

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

```
.background{ background-color: rgb(217,  
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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