

Converting Colors

$Yxy(83.0373, 0.3052, 0.3413)$

Have a look what the booklet for
Yxy(83.0373, 0.3052, 0.3413)
contains.

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Color

Yxy(82.8827, 0.3050, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	DAF0E5
RGB	218, 240, 229
RGB Percent	85%, 94%, 90%
CMY	0.1451, 0.0588, 0.1018
CMYK	0.09, 0.00, 0.05, 0.06
HSL	150°, 42%, 90%
HSV	150°, 9%, 94%
XYZ	74.2197, 82.8827, 86.2408
YIQ	232.1680, -9.5810, -8.0850

Conversions

Conversions Part 2

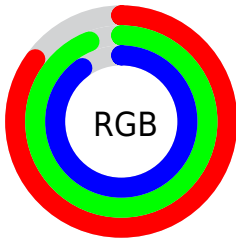
Format	Color
R _Y B	218, 233, 240
Decimal	14348517
CIE Lab	92.96, -9.24, 2.82
CIE LCh	93, 9.659, 163.021
Yxy	82.8827, 0.3050, 0.3406
Android (android.graphics.Color)	4292538597 (0xFFDAF0E5)
YUV	232.1680, -1.5618, -12.4253
Hunter-Lab	91.0399, -13.7990, 7.5634

Details

The Yxy color **82.8827, 0.3050, 0.3406** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.3231, 0.3212, 0.3177**, and the grayscale version is **80.8491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1235, 0.3029, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **78.8046, 0.2968, 0.3547**, and if you desaturate by 10%, it is **87.5496, 0.3134, 0.3280**.

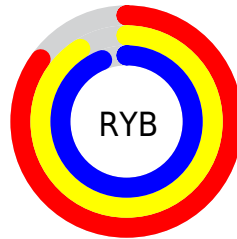
Distribution



Red (85%)

Green (94%)

Blue (90%)



Red (85%)

Yellow (91%)

Blue (94%)

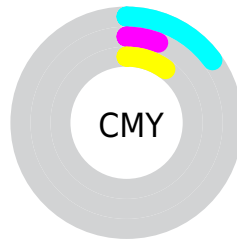


Cyan (9%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (15%)


Magenta (6%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8827, 0.3050, 0.3406 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 82.8827, 0.3050, 0.3406 by changing the saturation by 10% instead.


 82.8827, 0.3050,
0.3406

 82.8827, 0.3050,
0.3406


504.5955, 0.3085,
0.3353

 62.0934, 0.3042,
0.3418


137.4112, 0.3062,
0.3388

 45.1082, 0.3032,
0.3433


171.9191, 0.3067,
0.3381

 31.5426, 0.3020,
0.3451


211.7687, 0.3071,
0.3375

 21.0124, 0.3004,
0.3475

257.3444, 0.3074,
0.3369

 13.1331, 0.2983,
0.3507

309.0305, 0.3078,
0.3364

 7.5202, 0.2953,
0.3553

367.2114, 0.3080,

 3.7895, 0.2907,

0.3360

0.3624

432.2717, 0.3083,
0.3357

■ 1.5565, 0.2827,
0.3746

■ 0.3280, 0.1502,
0.5712

■ 82.8827, 0.3050,
0.3406

■ 82.8827, 0.3050,
0.3406

■ 78.8046, 0.2968,
0.3547

■ 87.5496, 0.3134,
0.3280

■ 75.2810, 0.2891,
0.3703

■ 90.6709, 0.3146,
0.3165

■ 72.2898, 0.2821,
0.3873

■ 90.8018, 0.3134,
0.3146

■ 69.8034, 0.2762,
0.4055

■ 67.7917, 0.2718,
0.4247

■ 66.2212, 0.2691,
0.4444

■ 65.0538, 0.2684,
0.4642

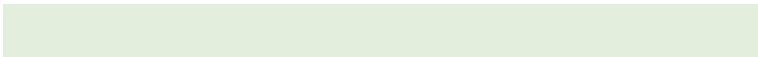
■ 64.2446, 0.2697,
0.4833

■ 63.7248, 0.2728,
0.5015

Harmonies

Analogous

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



82.8827, 0.3161, 0.3470



82.8827, 0.3050, 0.3406



82.8827, 0.2960, 0.3310

Triad

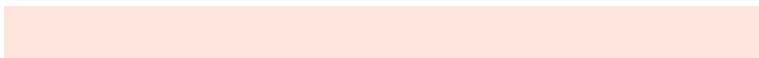
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8827, 0.3050, 0.3406



82.8827, 0.2989, 0.3101



82.8827, 0.3344, 0.3365

Complementary

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



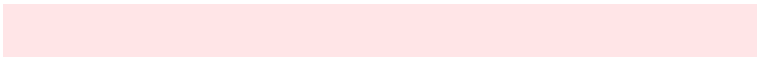
82.8827, 0.3050, 0.3406



74.3231, 0.3212, 0.3177

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.



82.8827, 0.3296, 0.3268



82.8827, 0.3050, 0.3406



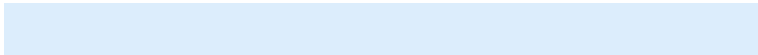
82.8827, 0.3090, 0.3118

Square

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



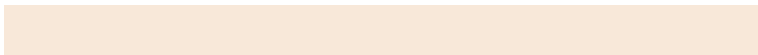
82.8827, 0.3050, 0.3406



82.8827, 0.2925, 0.3134



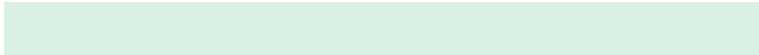
82.8827, 0.3203, 0.3178



82.8827, 0.3333, 0.3444

Rectangle

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



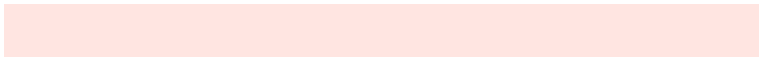
82.8827, 0.3050, 0.3406



82.8827, 0.2924, 0.3241



82.8827, 0.3203, 0.3178



82.8827, 0.3335, 0.3333

Sweetspot

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



82.8862, 0.3050, 0.3406



98.3347, 0.3102, 0.3327



84.0418, 0.3189, 0.3521



20.9547, 0.3095, 0.3337



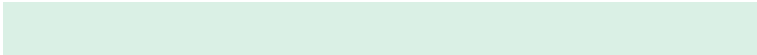
0.0000, 0.0000, 0.0000



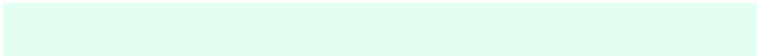
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8862, 0.3050, 0.3406



94.1949, 0.3034, 0.3431



83.5184, 0.2986, 0.3290



17.7887, 0.3047, 0.3410



34.8895, 0.2723, 0.5001



2.9226, 0.2656, 0.4761

Inverse Universe

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



74.3231, 0.3212, 0.3177



82.5174, 0.3231, 0.3153



73.7298, 0.3287, 0.3290



15.8902, 0.3215, 0.3173



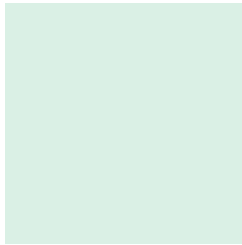
10.9049, 0.4965, 0.2509



0.9273, 0.4672, 0.2347

Previews

White Background



This preview shows how the Yxy color 82.8827, 0.3050, 0.3406 looks on a white background.

Color Contrast Check

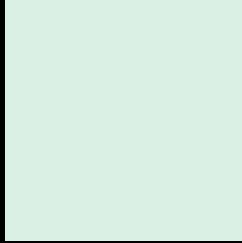
Large Text (above 18pt) WCAG AA × Fail

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 82.8827, 0.3050, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

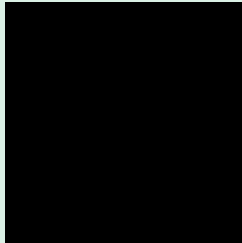
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

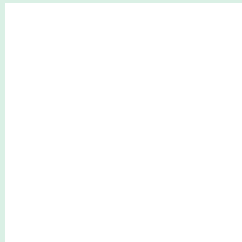
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8827, 0.3050, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 82.8827, 0.3050, 0.3406.

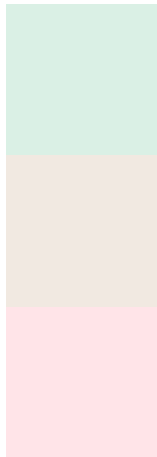


This preview shows how white text looks on a background with the Yxy color 82.8827, 0.3050, 0.3406.

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

82.8827, 0.3050, 0.3406

Protanopia

82.4148, 0.3233, 0.3372

Deuteranopia

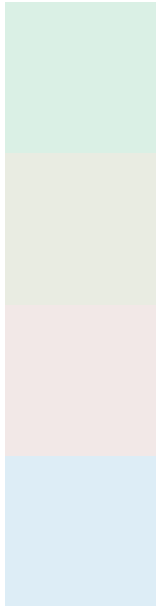
82.5730, 0.3289, 0.3251



Tritanopia

82.7405, 0.2924, 0.3095

Trichromacy



Original Color

82.8827, 0.3050, 0.3406

Protanomaly

82.8055, 0.3169, 0.3394

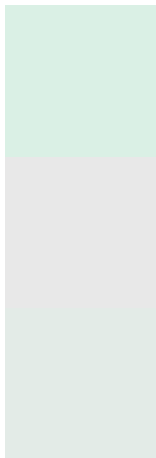
Deuteranomaly

82.3600, 0.3202, 0.3300

Tritanomaly

82.5943, 0.2970, 0.3196

Monochromacy



Original Color

82.8827, 0.3050, 0.3406

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5171, 0.3099, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8827, 0.3050, 0.3406 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(218, 240, 229)` looks like.

```
.text, #text, p{  
    color:rgb(218, 240, 229)  
}
```

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(218, 240, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 240, 229) }
```

Border

The CSS property to change the border of an element to Yxy 82.8827, 0.3050, 0.3406 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(218, 240, 229) }
```

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

```
.border{ border-color:rgb(218, 240, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 240, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 240, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 240, 229);  
box-shadow:4px 4px 4px 4px rgb(218, 240,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8827, 0.3050, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 240, 229) }
```

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

```
.background{ background-color: rgb(218,  
240, 229) }
```

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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