

# Converting Colors

$Yxy(83.3767, 0.3073, 0.3466)$

Have a look what the booklet for  
Yxy(83.3767, 0.3073, 0.3466)  
contains.

<b>Yxy(83.2523, 0.3074, 0.3460)</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(83.2523, 0.3074, 0.3460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF1E1
RGB	218, 241, 225
RGB Percent	85%, 95%, 88%
CMY	0.1450, 0.0549, 0.1177
CMYK	0.10, 0.00, 0.07, 0.05
HSL	138°, 45%, 90%
HSV	138°, 10%, 95%
XYZ	73.9646, 83.2523, 83.3967
YIQ	232.2990, -8.5720, -9.8520

# Conversions

## Conversions Part 2

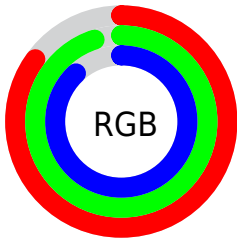
Format	Color
R <sub>Y</sub> B	218, 236, 241
Decimal	14348769
CIE Lab	93.12, -10.46, 5.16
CIE LCh	93, 11.665, 153.765
Yxy	83.2523, 0.3074, 0.3460
Android (android.graphics.Color)	4292538849 (0xFFDAF1E1)
YUV	232.2990, -3.5984, -12.5402
Hunter-Lab	91.2427, -14.9762, 9.6783

# Details

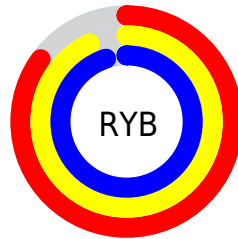
The Yxy color **83.2523, 0.3074, 0.3460** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8023, 0.3185, 0.3126**, and the grayscale version is **80.9691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3867, 0.3059, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **78.9337, 0.3019, 0.3661**, and if you desaturate by 10%, it is **88.2084, 0.3130, 0.3282**.

# Distribution



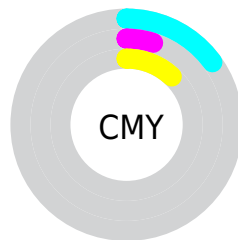
- Red (85%)
- Green (95%)
- Blue (88%)



- Red (85%)
- Yellow (93%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2523, 0.3074, 0.3460 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 83.2523, 0.3074, 0.3460 by changing the saturation by 10% instead.



83.2523, 0.3074,  
0.3460

83.2523, 0.3074,  
0.3460

505.8270, 0.3099,  
0.3382

62.3983, 0.3068,  
0.3478

137.9288, 0.3083,  
0.3433

45.3546, 0.3062,  
0.3499

172.5200, 0.3086,  
0.3423

31.7368, 0.3053,  
0.3527

212.4592, 0.3089,  
0.3414

21.1606, 0.3041,  
0.3562

258.1306, 0.3091,  
0.3406

13.2414, 0.3026,  
0.3610

309.9187, 0.3093,  
0.3399

7.5950, 0.3003,  
0.3679

368.2079, 0.3095,

3.8369, 0.2969,

0.3393

0.3785

433.3825, 0.3097,  
0.3387

■ 1.5828, 0.2906,  
0.3970

■ 0.3459, 0.1685,  
0.7944

■ 83.2523, 0.3074,  
0.3460

■ 83.2523, 0.3074,  
0.3460

■ 78.9337, 0.3019,  
0.3661

■ 88.2084, 0.3130,  
0.3282

■ 75.2161, 0.2966,  
0.3884

■ 91.3899, 0.3133,  
0.3156

■ 72.0756, 0.2918,  
0.4128

■ 69.4823, 0.2879,  
0.4388

■ 67.4037, 0.2851,  
0.4659

■ 65.8037, 0.2837,  
0.4928

■ 64.6412, 0.2840,  
0.5184

■ 63.8681, 0.2860,  
0.5414

■ 63.4091, 0.2892,  
0.5608

# Harmonies

## Analogous

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



83.2523, 0.3209, 0.3520



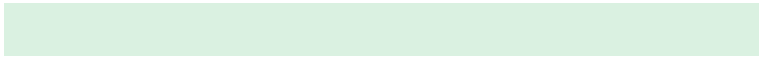
83.2523, 0.3074, 0.3460



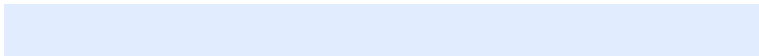
83.2523, 0.2955, 0.3351

# Triad

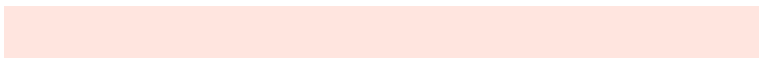
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2523, 0.3074, 0.3460



83.2523, 0.2931, 0.3069



83.2523, 0.3379, 0.3344

# Complementary

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



83.2523, 0.3074, 0.3460



74.8023, 0.3185, 0.3126

# 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.



83.2523, 0.3301, 0.3227



83.2523, 0.3074, 0.3460



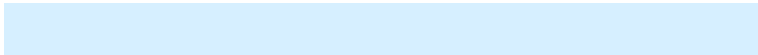
83.2523, 0.3041, 0.3071

# Square

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



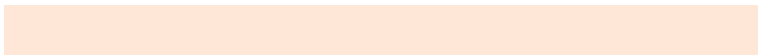
83.2523, 0.3074, 0.3460



83.2523, 0.2873, 0.3125



83.2523, 0.3177, 0.3129



83.2523, 0.3387, 0.3449



# Rectangle

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



83.2523, 0.3074, 0.3460



83.2523, 0.2900, 0.3268



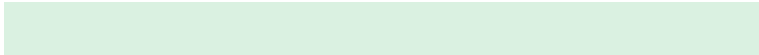
83.2523, 0.3177, 0.3129



83.2523, 0.3360, 0.3305

# Sweetspot

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



83.2558, 0.3074, 0.3460



98.2392, 0.3110, 0.3342



85.4843, 0.3222, 0.3528



20.9289, 0.3106, 0.3356



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

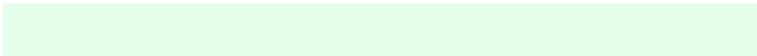


# Same Dimension

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



83.2558, 0.3074, 0.3460



93.8669, 0.3066, 0.3489



83.8999, 0.3007, 0.3338



17.7352, 0.3074, 0.3459



34.3969, 0.2886, 0.5588



2.8785, 0.2813, 0.5326



# Inverse Universe

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



74.8023, 0.3185, 0.3126



82.8555, 0.3195, 0.3099



74.1670, 0.3263, 0.3243



15.9451, 0.3184, 0.3127



11.6988, 0.4157, 0.2064

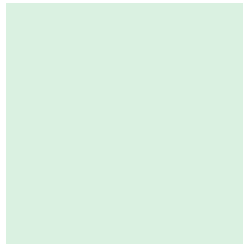


0.9908, 0.4001, 0.1978



# Previews

## White Background



This preview shows how the Yxy color 83.2523, 0.3074, 0.3460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

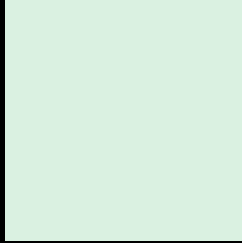
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2523, 0.3074, 0.3460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

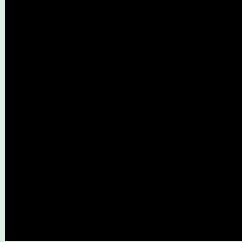
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

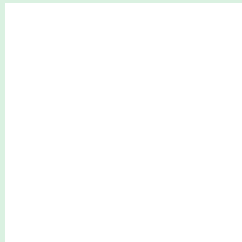
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.2523, 0.3074, 0.3460**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2523, 0.3074, 0.3460.

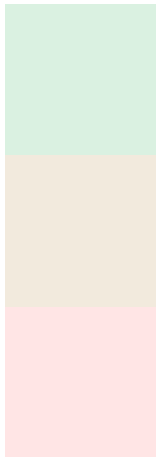


This preview shows how white text looks on a background with the Yxy color 83.2523, 0.3074, 0.3460.

# 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



<b>Original Color</b>
<b>Protanopia</b>
<b>Deuteranopia</b>

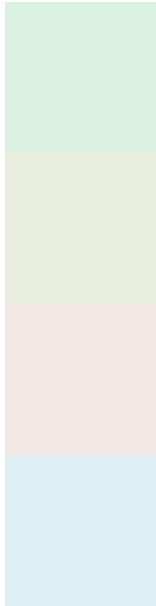
83.2523, 0.3074, 0.3460
82.9433, 0.3264, 0.3423
82.9558, 0.3308, 0.3291



## Tritanopia

82.8989, 0.2930, 0.3095

# Trichromacy



**Original Color**

83.2523, 0.3074, 0.3460

**Protanomaly**

83.1659, 0.3194, 0.3446

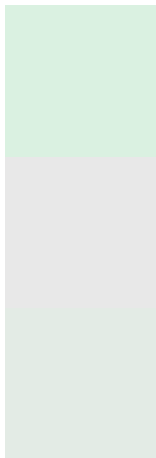
**Deuteranomaly**

82.7565, 0.3220, 0.3341

**Tritanomaly**

83.0529, 0.2981, 0.3227

# Monochromacy



**Original Color**

83.2523, 0.3074, 0.3460

**Achromatopsia**

80.6952, 0.3127, 0.3290

**Achromatomaly**

81.4047, 0.3111, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2523, 0.3074, 0.3460 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, 241, 225)` looks like.

```
.text, #text, p{  
    color:rgb(218, 241, 225)  
}
```

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, 241, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 241, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2523, 0.3074, 0.3460 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, 241, 225) }
```

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

```
.border{ border-color:rgb(218, 241, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 241, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 241, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 241, 225);  
box-shadow:4px 4px 4px 4px rgb(218, 241,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2523, 0.3074, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 241, 225) }
```

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

```
.background{ background-color: rgb(218,  
241, 225) }
```

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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