

# Converting Colors

Yxy(81.9164, 0.3092, 0.3472)

Have a look what the booklet for  
Yxy(81.9164, 0.3092, 0.3472)  
contains.

<b>Yxy(81.9124, 0.3092, 0.3472)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(81.9124, 0.3092, 0.3472)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAEFDE
RGB	218, 239, 222
RGB Percent	85%, 94%, 87%
CMY	0.1454, 0.0626, 0.1295
CMYK	0.09, 0.00, 0.07, 0.06
HSL	132°, 40%, 90%
HSV	132°, 9%, 94%
XYZ	72.9473, 81.9124, 81.0631
YIQ	230.7830, -7.0590, -9.7390

# Conversions

## Conversions Part 2

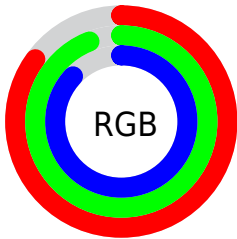
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	218, 236, 239
Decimal	14348254
CIE <sub>Lab</sub>	92.54, -10.04, 5.86
CIE <sub>LCh</sub>	93, 11.631, 149.721
Y <sub>xy</sub>	81.9124, 0.3092, 0.3472
Android (android.graphics.Color)	4292538334 (0xFFDAEFDE)
Y <sub>UV</sub>	230.7830, -4.3300, -11.2107
Hunter-Lab	90.5055, -14.5137, 10.2495

# Details

The Yxy color **81.9124, 0.3092, 0.3472** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4579, 0.3164, 0.3115**, and the grayscale version is **79.7716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4435, 0.3083, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **77.5176, 0.3052, 0.3704**, and if you desaturate by 10%, it is **86.9640, 0.3132, 0.3267**.

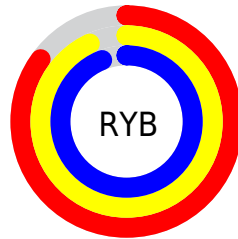
# Distribution



Red (85%)

Green (94%)

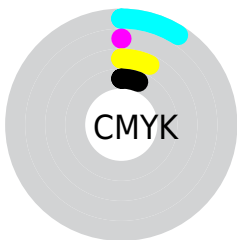
Blue (87%)



Red (85%)

Yellow (93%)

Blue (94%)

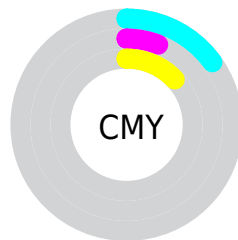


Cyan (9%)

Magenta (0%)

Yellow (7%)

Black (6%)



Cyan (15%)

Magenta (6%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9124, 0.3092, 0.3472 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 81.9124, 0.3092, 0.3472 by changing the saturation by 10% instead.



81.9124, 0.3092,  
0.3472

81.9124, 0.3092,  
0.3472

501.3546, 0.3109,  
0.3388

61.2933, 0.3088,  
0.3491

136.0512, 0.3098,  
0.3443

44.4619, 0.3083,  
0.3514

170.3396, 0.3100,  
0.3432

31.0338, 0.3077,  
0.3544

209.9533, 0.3102,  
0.3422

20.6246, 0.3069,  
0.3582

255.2767, 0.3104,  
0.3414

12.8499, 0.3058,  
0.3635

306.6941, 0.3105,  
0.3406

7.3253, 0.3042,  
0.3710

364.5900, 0.3106,

3.6663, 0.3016,

0.3400

429.3487, 0.3107,  
0.3394

0.3826

■ 1.4887, 0.2968,  
0.4032

■ 0.2808, 0.0716,  
0.9284

■ 81.9124, 0.3092,  
0.3472

■ 81.9124, 0.3092,  
0.3472

■ 77.5176, 0.3052,  
0.3704

■ 86.9640, 0.3132,  
0.3267

■ 73.7426, 0.3013,  
0.3963

■ 90.2280, 0.3134,  
0.3137

■ 70.5623, 0.2977,  
0.4245

■ 67.9461, 0.2946,  
0.4546

■ 65.8604, 0.2924,  
0.4852

■ 64.2682, 0.2913,  
0.5150

■ 63.1275, 0.2914,  
0.5421

■ 62.3889, 0.2928,  
0.5648

■ 61.9815, 0.2951,  
0.5817

# Harmonies

## Analogous

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



81.9124, 0.3227, 0.3524



81.9124, 0.3092, 0.3472



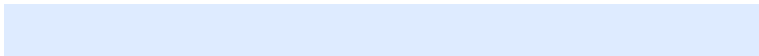
81.9124, 0.2968, 0.3368

# Triad

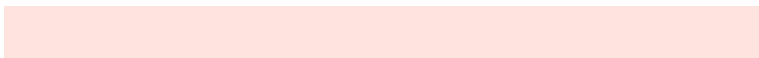
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9124, 0.3092, 0.3472



81.9124, 0.2919, 0.3072



81.9124, 0.3373, 0.3328

# Complementary

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



81.9124, 0.3092, 0.3472



74.4579, 0.3164, 0.3115

# 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.



81.9124, 0.3287, 0.3212



81.9124, 0.3092, 0.3472



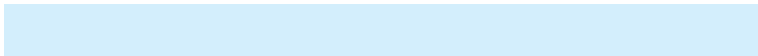
81.9124, 0.3024, 0.3067

# Square

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



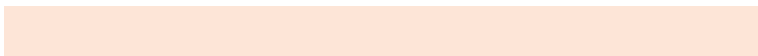
81.9124, 0.3092, 0.3472



81.9124, 0.2870, 0.3136



81.9124, 0.3158, 0.3118



81.9124, 0.3391, 0.3437



# Rectangle

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



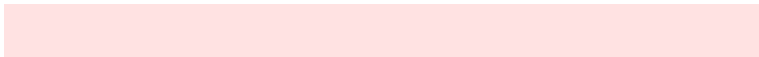
81.9124, 0.3092, 0.3472



81.9124, 0.2908, 0.3285



81.9124, 0.3158, 0.3118



81.9124, 0.3351, 0.3289

# Sweetspot

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



81.9159, 0.3092, 0.3472



98.1863, 0.3115, 0.3350



84.4954, 0.3232, 0.3509



20.9147, 0.3112, 0.3366



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

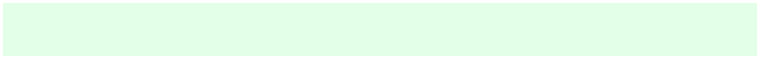


# Same Dimension

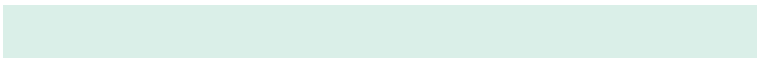
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9159, 0.3092, 0.3472



93.6886, 0.3083, 0.3521



82.4885, 0.3030, 0.3360



17.7061, 0.3089, 0.3486



34.2382, 0.2948, 0.5812



2.8617, 0.2885, 0.5584



# Inverse Universe

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



74.4579, 0.3164, 0.3115



83.0482, 0.3175, 0.3070



73.8766, 0.3235, 0.3221



15.9762, 0.3167, 0.3101



12.2882, 0.3764, 0.1847

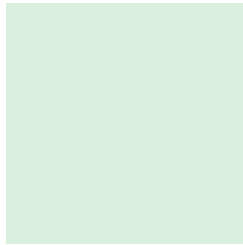


1.0355, 0.3678, 0.1800



# Previews

## White Background



This preview shows how the Yxy color 81.9124, 0.3092, 0.3472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

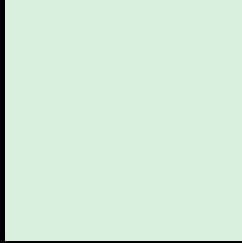
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.9124, 0.3092, 0.3472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

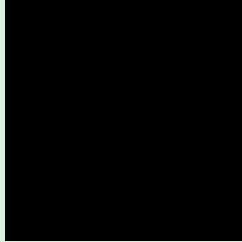
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

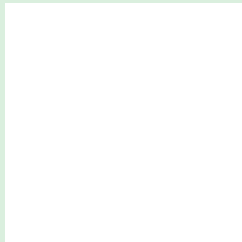
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.9124, 0.3092, 0.3472**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.9124, 0.3092, 0.3472.

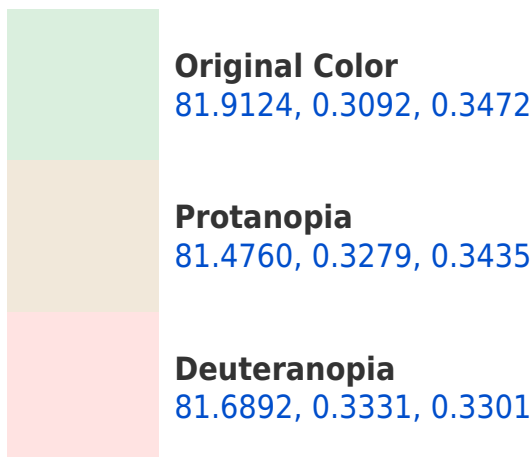


This preview shows how white text looks on a background with the Yxy color 81.9124, 0.3092, 0.3472.

# 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

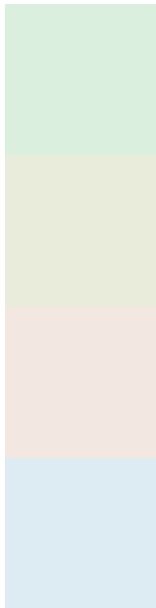




## Tritanopia

81.6255, 0.2941, 0.3094

# Trichromacy



**Original Color**

81.9124, 0.3092, 0.3472

**Protanomaly**

81.8548, 0.3214, 0.3457

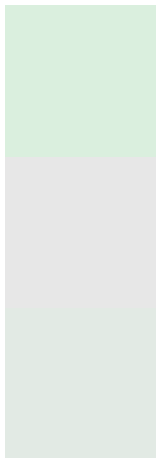
**Deuteranomaly**

81.4653, 0.3241, 0.3352

**Tritanomaly**

81.7739, 0.2993, 0.3227

# Monochromacy



**Original Color**

81.9124, 0.3092, 0.3472

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

80.6158, 0.3111, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.9124, 0.3092, 0.3472 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, 239, 222)` looks like.

```
.text, #text, p{  
    color:rgb(218, 239, 222)  
}
```

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, 239, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 239, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 81.9124, 0.3092, 0.3472 is called "border". The border property can be set on classes, ids or directly on the HTML element.

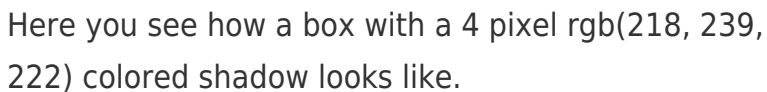
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 239, 222) }
```

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

```
.border{ border-color:rgb(218, 239, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 239, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 239, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 239, 222); box-shadow:4px 4px 4px 4px rgb(218, 239, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.9124, 0.3092, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 239, 222) }
```

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

```
.background{ background-color: rgb(218,  
239, 222) }
```

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