

# Converting Colors

$Yxy(79.0127, 0.2964, 0.3478)$

Have a look what the booklet for  
Yxy(79.0127, 0.2964, 0.3478)  
contains.

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# Color

**Yxy(79.0127, 0.2964, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6EFDE
RGB	198, 239, 222
RGB Percent	78%, 94%, 87%
CMY	0.2237, 0.0627, 0.1293
CMYK	0.17, 0.00, 0.07, 0.06
HSL	155°, 56%, 86%
HSV	155°, 17%, 94%
XYZ	67.3357, 79.0127, 80.8301
YIQ	224.8030, -18.9790, -13.9790

# Conversions

## Conversions Part 2

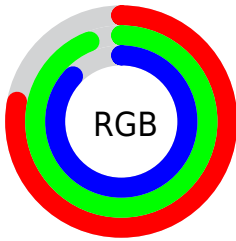
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 224, 239
Decimal	13037534
CIE Lab	91.24, -16.51, 3.80
CIE LCh	91, 16.944, 167.026
Yxy	79.0127, 0.2964, 0.3478
Android (android.graphics.Color)	4291227614 (0xFFC6EFDE)
YUV	224.8030, -1.3819, -23.5062
Hunter-Lab	88.8891, -20.3377, 8.3078

# Details

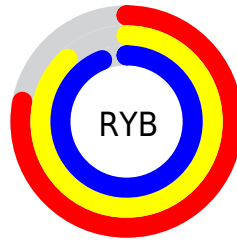
The Yxy color **79.0127, 0.2964, 0.3478** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.6276, 0.3325, 0.3110**, and the grayscale version is **75.1651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5863, 0.2929, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **75.5062, 0.2875, 0.3604**, and if you desaturate by 10%, it is **83.0694, 0.3058, 0.3364**.

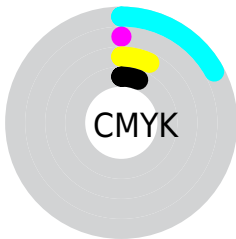
# Distribution



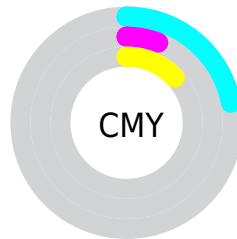
- Red (78%)
- Green (94%)
- Blue (87%)



- Red (78%)
- Yellow (88%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)




- Cyan (22%)
- Magenta (6%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0127, 0.2964, 0.3478 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 79.0127, 0.2964, 0.3478 by changing the saturation by 10% instead.



 79.0127, 0.2964,  
0.3478

 79.0127, 0.2964,  
0.3478


491.5993, 0.3039,  
0.3391

 58.9063, 0.2947,  
0.3498

131.9767, 0.2990,  
0.3448

 42.5377, 0.2926,  
0.3522


165.6031, 0.3000,  
0.3436

 29.5225, 0.2900,  
0.3554


204.5049, 0.3009,  
0.3426

 19.4765, 0.2865,  
0.3594

249.0666, 0.3016,  
0.3417

 12.0151, 0.2818,  
0.3650

299.6724, 0.3023,  
0.3410

 6.7539, 0.2751,  
0.3730

356.7069, 0.3029,

 3.3087, 0.2647,

0.3403

420.5544, 0.3034,  
0.3397

0.3857

1.2949, 0.2460,  
0.4086

0.1373, 0.0000,  
1.0000

79.0127, 0.2964,  
0.3478

79.0127, 0.2964,  
0.3478

75.5062, 0.2875,  
0.3604

83.0694, 0.3058,  
0.3364

72.5154, 0.2794,  
0.3741

87.6892, 0.3155,  
0.3262

70.0172, 0.2725,  
0.3888

90.0083, 0.3155,  
0.3168

67.9828, 0.2669,  
0.4043

90.2196, 0.3134,  
0.3136

■ 66.3802, 0.2632,  
0.4204

■ 65.1733, 0.2614,  
0.4368

■ 64.3196, 0.2617,  
0.4530

■ 63.7644, 0.2639,  
0.4687

■ 63.6372, 0.2647,  
0.4731

# Harmonies

## Analogous

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



79.0127, 0.3159, 0.3606



79.0127, 0.2964, 0.3478



79.0127, 0.2816, 0.3297

# Triad

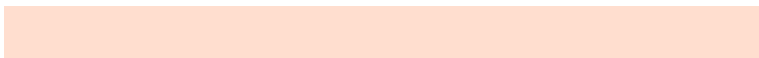
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.0127, 0.2964, 0.3478



79.0127, 0.2902, 0.2957



79.0127, 0.3520, 0.3439

# Complementary

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



79.0127, 0.2964, 0.3478



63.6276, 0.3325, 0.3110

# 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.



79.0127, 0.3447, 0.3271



79.0127, 0.2964, 0.3478



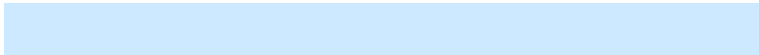
79.0127, 0.3086, 0.2999

# Square

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



79.0127, 0.2964, 0.3478



79.0127, 0.2781, 0.2999



79.0127, 0.3286, 0.3112



79.0127, 0.3483, 0.3576



# Rectangle

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



79.0127, 0.2964, 0.3478



79.0127, 0.2761, 0.3176



79.0127, 0.3286, 0.3112



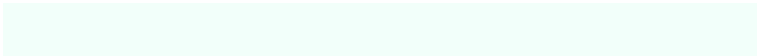
79.0127, 0.3508, 0.3384

# Sweetspot

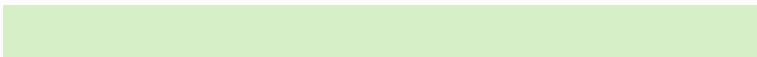
The Sweet Spot groups the original color and five complimentary colors.



79.0160, 0.2964, 0.3478



97.3265, 0.3079, 0.3341



80.2723, 0.3220, 0.3740



20.7543, 0.3072, 0.3349



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

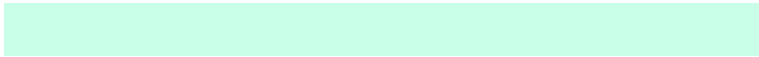


# Same Dimension

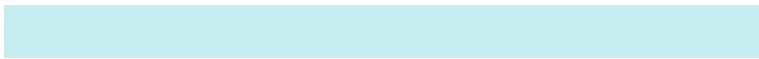
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0160, 0.2964, 0.3478



89.8745, 0.2929, 0.3526



77.9889, 0.2866, 0.3252



17.8119, 0.3036, 0.3389



35.1903, 0.2641, 0.4706



2.9473, 0.2583, 0.4500



# Inverse Universe

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



63.6276, 0.3325, 0.3110



68.6036, 0.3381, 0.3066



64.3809, 0.3451, 0.3328



15.8673, 0.3228, 0.3193



10.6621, 0.5321, 0.2705

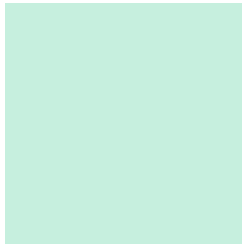


0.9063, 0.4979, 0.2517



# Previews

## White Background



This preview shows how the Yxy color 79.0127, 0.2964, 0.3478 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

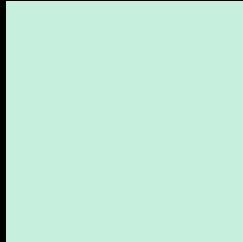
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0127, 0.2964, 0.3478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

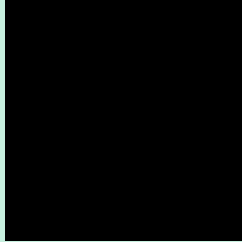
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

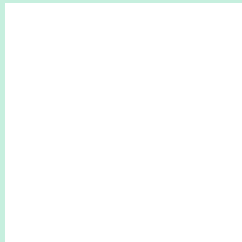
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.0127, 0.2964, 0.3478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0127, 0.2964, 0.3478.

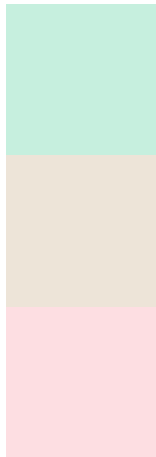


This preview shows how white text looks on a background with the Yxy color 79.0127, 0.2964, 0.3478.

# 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

79.0127, 0.2964, 0.3478

### Protanopia

78.4492, 0.3268, 0.3416

### Deuteranopia

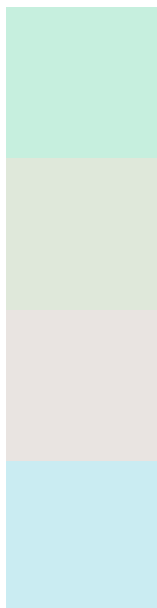
78.6162, 0.3322, 0.3250



## Tritanopia

78.7749, 0.2824, 0.3087

# Trichromacy



## Original Color

79.0127, 0.2964, 0.3478

## Protanomaly

78.4632, 0.3154, 0.3440

## Deuteranomaly

78.2467, 0.3181, 0.3322

## Tritanomaly

78.9583, 0.2874, 0.3224

# Monochromacy



## Original Color

79.0127, 0.2964, 0.3478

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

76.4225, 0.3063, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0127, 0.2964, 0.3478 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(198, 239, 222)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 239, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 239, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0127, 0.2964, 0.3478 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(198, 239, 222) }
```

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

```
.border{ border-color:rgb(198, 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(198, 239, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 239, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 239, 222);  
box-shadow:4px 4px 4px 4px rgb(198, 239,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0127, 0.2964, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 239, 222) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

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