

# Converting Colors

$Yxy(77.8593, 0.3051, 0.3581)$

Have a look what the booklet for  
Yxy(77.8593, 0.3051, 0.3581)  
contains.

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# Color

**Yxy(77.8281, 0.3055, 0.3580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAEDD3
RGB	202, 237, 211
RGB Percent	79%, 93%, 83%
CMY	0.2075, 0.0706, 0.1725
CMYK	0.15, 0.00, 0.11, 0.07
HSL	135°, 49%, 86%
HSV	135°, 15%, 93%
XYZ	66.4148, 77.8281, 73.1541
YIQ	223.5710, -12.5140, -15.5060

# Conversions

## Conversions Part 2

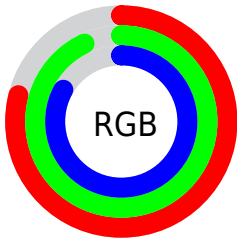
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 230, 237
Decimal	13299155
CIE <sub>Lab</sub>	90.70, -16.23, 8.80
CIE <sub>LCh</sub>	91, 18.463, 151.536
Yxy	77.8281, 0.3055, 0.3580
Android (android.graphics.Color)	4291489235 (0xFFCAEDD3)
YUV	223.5710, -6.1975, -18.9178
Hunter-Lab	88.2202, -20.0054, 12.5897

# Details

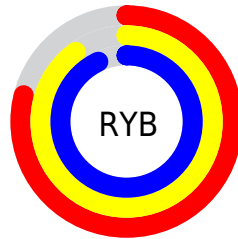
The Yxy color **77.8281, 0.3055, 0.3580** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.8834, 0.3208, 0.3016**, and the grayscale version is **74.2820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7439, 0.3043, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **73.9373, 0.3007, 0.3807**, and if you desaturate by 10%, it is **82.3303, 0.3104, 0.3377**.

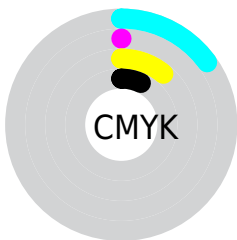
# Distribution



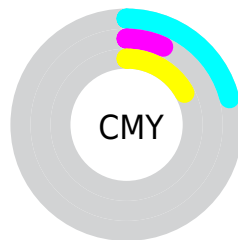
- Red (79%)
- Green (93%)
- Blue (83%)



- Red (79%)
- Yellow (90%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)



- Cyan (21%)
- Magenta (7%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8281, 0.3055, 0.3580 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 77.8281, 0.3055, 0.3580 by changing the saturation by 10% instead.



■ 77.8281, 0.3055,  
0.3580

■ 77.8281, 0.3055,  
0.3580

487.5828, 0.3089,  
0.3444

■ 57.9328, 0.3047,  
0.3611

130.3078, 0.3067,  
0.3533

■ 41.7546, 0.3037,  
0.3650

163.6609, 0.3072,  
0.3514

■ 28.9092, 0.3024,  
0.3700

202.2688, 0.3076,  
0.3499

■ 19.0121, 0.3006,  
0.3765

246.5158, 0.3079,  
0.3485

■ 11.6790, 0.2982,  
0.3855

296.7863, 0.3082,  
0.3473

■ 6.5255, 0.2945,  
0.3987

353.4647, 0.3085,

■ 3.1672, 0.2884,

0.3462

0.4199

416.9354, 0.3087,  
0.3453

1.2196, 0.2781,  
0.4648

0.0776, 0.0000,  
1.0000

77.8281, 0.3055,  
0.3580

77.8281, 0.3055,  
0.3580

73.9373, 0.3007,  
0.3807

82.3303, 0.3104,  
0.3377

70.6217, 0.2962,  
0.4058

87.4584, 0.3153,  
0.3199

67.8565, 0.2923,  
0.4329

89.0407, 0.3135,  
0.3117

65.6112, 0.2893,  
0.4613

■ 63.8522, 0.2874,  
0.4899

■ 62.5417, 0.2870,  
0.5173

■ 61.6364, 0.2881,  
0.5421

■ 61.0837, 0.2906,  
0.5628

■ 60.8937, 0.2922,  
0.5719

# Harmonies

## Analogous

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



77.8281, 0.3273, 0.3670



77.8281, 0.3055, 0.3580



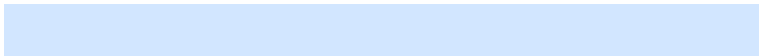
77.8281, 0.2861, 0.3403

# Triad

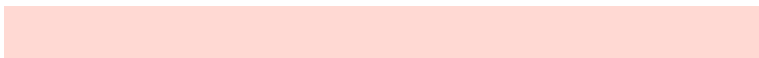
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8281, 0.3055, 0.3580



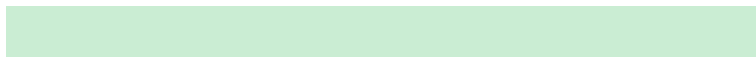
77.8281, 0.2801, 0.2938



77.8281, 0.3531, 0.3358

# Complementary

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



77.8281, 0.3055, 0.3580



65.8834, 0.3208, 0.3016

# 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.



77.8281, 0.3396, 0.3175



77.8281, 0.3055, 0.3580



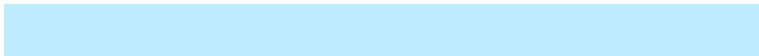
77.8281, 0.2971, 0.2937

# Square

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



77.8281, 0.3055, 0.3580



77.8281, 0.2718, 0.3030



77.8281, 0.3189, 0.3024



77.8281, 0.3553, 0.3532



# Rectangle

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



77.8281, 0.3055, 0.3580



77.8281, 0.2770, 0.3266



77.8281, 0.3189, 0.3024



77.8281, 0.3497, 0.3296

# Sweetspot

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



77.8314, 0.3055, 0.3580



97.6373, 0.3108, 0.3364



81.3649, 0.3287, 0.3662



20.8062, 0.3104, 0.3378



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

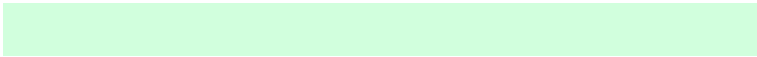


# Same Dimension

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



77.8314, 0.3055, 0.3580



90.3020, 0.3039, 0.3653



78.7437, 0.2953, 0.3385



16.9254, 0.3081, 0.3470



33.2679, 0.2915, 0.5692



2.6275, 0.2841, 0.5426



# Inverse Universe

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



65.8834, 0.3208, 0.3016



73.3966, 0.3229, 0.2952



64.9722, 0.3336, 0.3197



15.2441, 0.3177, 0.3116



11.5714, 0.3982, 0.1967



0.9240, 0.3852, 0.1895



# Previews

## White Background



This preview shows how the Yxy color 77.8281, 0.3055, 0.3580 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 77.8281, 0.3055, 0.3580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

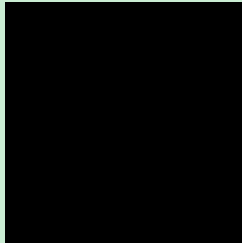
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

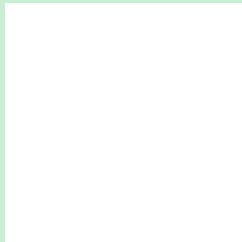
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.8281, 0.3055, 0.3580**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8281, 0.3055, 0.3580.

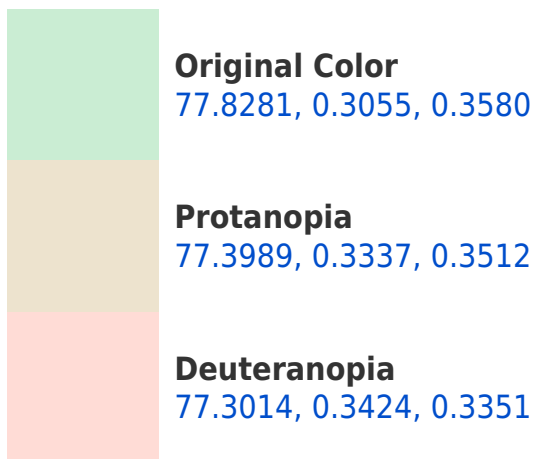


This preview shows how white text looks on a background with the Yxy color 77.8281, 0.3055, 0.3580.

# 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

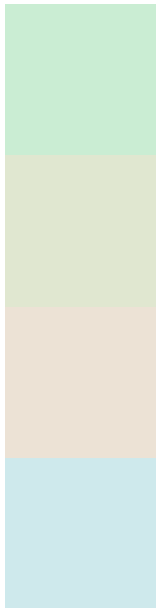




## Tritanopia

77.6093, 0.2869, 0.3088

# Trichromacy



**Original Color**

77.8281, 0.3055, 0.3580

**Protanomaly**

77.5532, 0.3226, 0.3538

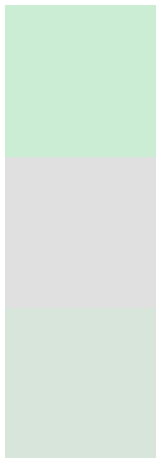
**Deuteranomaly**

77.0297, 0.3283, 0.3427

**Tritanomaly**

77.4558, 0.2932, 0.3257

# Monochromacy



**Original Color**

77.8281, 0.3055, 0.3580

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.7520, 0.3102, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8281, 0.3055, 0.3580 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(202, 237, 211)` looks like.

```
.text, #text, p{  
    color:rgb(202, 237, 211)  
}
```

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(202, 237, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 237, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8281, 0.3055, 0.3580 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(202, 237, 211) }
```

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

```
.border{ border-color:rgb(202, 237, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 237, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 237, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 237, 211);  
box-shadow:4px 4px 4px 4px rgb(202, 237,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8281, 0.3055, 0.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 237, 211) }
```

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

```
.background{ background-color: rgb(202,  
237, 211) }
```

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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