

# Converting Colors

$Yxy(78.8115, 0.2946, 0.3379)$

Have a look what the booklet for  
Yxy(78.8115, 0.2946, 0.3379)  
contains.

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# Color

**Yxy(78.7821, 0.2949, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAEDE5
RGB	202, 237, 229
RGB Percent	79%, 93%, 90%
CMY	0.2076, 0.0706, 0.1019
CMYK	0.15, 0.00, 0.03, 0.07
HSL	166°, 49%, 86%
HSV	166°, 15%, 93%
XYZ	68.7973, 78.7821, 85.7108
YIQ	225.6230, -18.2920, -9.9080

# Conversions

## Conversions Part 2

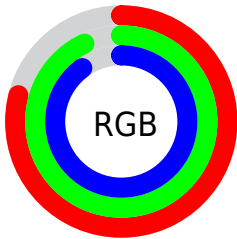
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 222, 237
Decimal	13299173
CIE Lab	91.14, -12.86, 0.05
CIE LCh	91, 12.859, 179.778
Yxy	78.7821, 0.2949, 0.3377
Android (android.graphics.Color)	4291489253 (0xFFCAEDE5)
YUV	225.6230, 1.6649, -20.7174
Hunter-Lab	88.7593, -16.9735, 4.8778

# Details

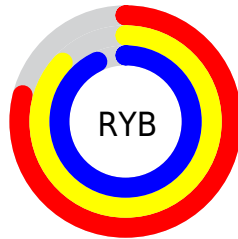
The Yxy color **78.7821, 0.2949, 0.3377** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9305, 0.3341, 0.3205**, and the grayscale version is **75.7744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3996, 0.2908, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **75.4300, 0.2836, 0.3443**, and if you desaturate by 10%, it is **82.6579, 0.3069, 0.3317**.

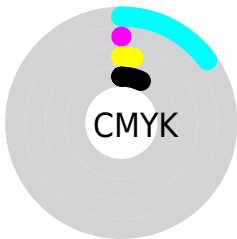
# Distribution



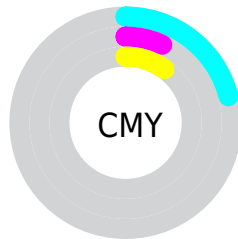
- Red (79%)
- Green (93%)
- Blue (90%)



- Red (79%)
- Yellow (87%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (21%)
- Magenta (7%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7821, 0.2949, 0.3377 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 78.7821, 0.2949, 0.3377 by changing the saturation by 10% instead.



■ 78.7821, 0.2949,  
0.3377

■ 78.7821, 0.2949,  
0.3377

490.8189, 0.3030,  
0.3337

■ 58.7167, 0.2931,  
0.3386

131.6521, 0.2977,  
0.3363

■ 42.3851, 0.2908,  
0.3397

165.2254, 0.2988,  
0.3358

■ 29.4029, 0.2880,  
0.3411

204.0701, 0.2997,  
0.3353

■ 19.3858, 0.2843,  
0.3428

248.5707, 0.3006,  
0.3349

■ 11.9494, 0.2794,  
0.3453

299.1114, 0.3013,  
0.3346

■ 6.7092, 0.2724,  
0.3487


356.0768, 0.3019,


■ 3.2809, 0.2616,


0.3343


0.3539

419.8511, 0.3025,  
0.3340

 1.2801, 0.2432,  
0.3629

 0.1257, 0.0000,  
0.4852


 78.7821, 0.2949,  
0.3377


 78.7821, 0.2949,  
0.3377


 75.4300, 0.2836,  
0.3443


 82.6579, 0.3069,  
0.3317


 72.5687, 0.2732,  
0.3515

 87.0692, 0.3193,  
0.3262

 70.1764, 0.2642,  
0.3591


 88.4308, 0.3196,  
0.3210

 68.2259, 0.2566,  
0.3672


 88.7671, 0.3162,  
0.3158

 66.6873, 0.2509,  
0.3755

 89.0423, 0.3135,  
0.3117

 65.5268, 0.2471,  
0.3840

 64.7052, 0.2453,  
0.3926

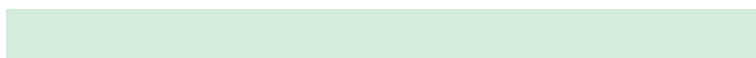
 64.1743, 0.2454,  
0.4010

 63.9728, 0.2460,  
0.4055

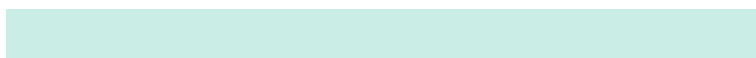
# Harmonies

## Analogous

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



78.7821, 0.3087, 0.3494



78.7821, 0.2949, 0.3377



78.7821, 0.2859, 0.3237

# Triad

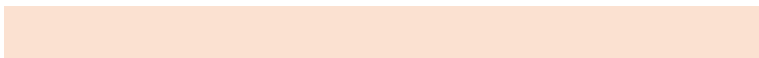
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7821, 0.2949, 0.3377



78.7821, 0.3012, 0.3041



78.7821, 0.3423, 0.3454

# Complementary

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



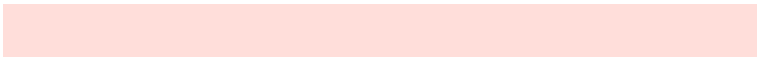
78.7821, 0.2949, 0.3377



64.9305, 0.3341, 0.3205

# 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.



78.7821, 0.3403, 0.3332



78.7821, 0.2949, 0.3377



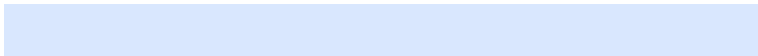
78.7821, 0.3162, 0.3098

# Square

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



78.7821, 0.2949, 0.3377



78.7821, 0.2895, 0.3046



78.7821, 0.3306, 0.3203



78.7821, 0.3362, 0.3536

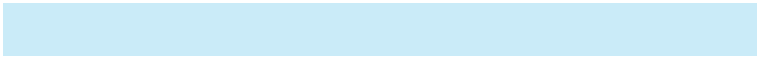


# Rectangle

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



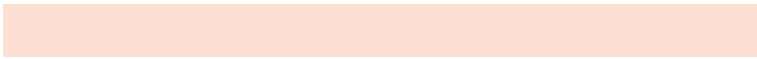
78.7821, 0.2949, 0.3377



78.7821, 0.2838, 0.3153



78.7821, 0.3306, 0.3203



78.7821, 0.3426, 0.3417

# Sweetspot

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



78.7854, 0.2949, 0.3377



97.9672, 0.3078, 0.3312



78.5628, 0.3163, 0.3677



20.8897, 0.3068, 0.3317



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

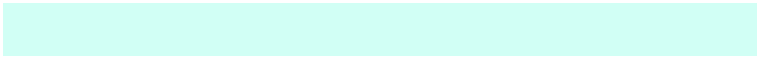


# Same Dimension

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



78.7854, 0.2949, 0.3377



91.6523, 0.2910, 0.3398



73.9886, 0.2900, 0.3187



17.0595, 0.3012, 0.3344



34.9513, 0.2456, 0.4041



2.7589, 0.2423, 0.3924



# Inverse Universe

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



64.9305, 0.3341, 0.3205



72.0559, 0.3400, 0.3185



69.0471, 0.3387, 0.3391



15.1105, 0.3257, 0.3236



9.9927, 0.5991, 0.3074

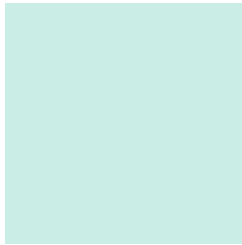


0.7990, 0.5607, 0.2862



# Previews

## White Background



This preview shows how the Yxy color 78.7821, 0.2949, 0.3377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

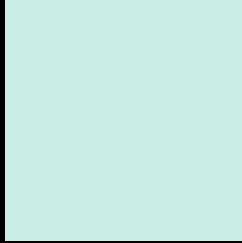
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7821, 0.2949, 0.3377 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

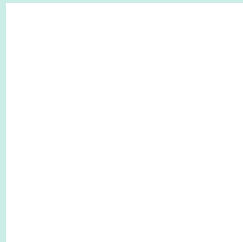
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.7821, 0.2949, 0.3377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7821, 0.2949, 0.3377.

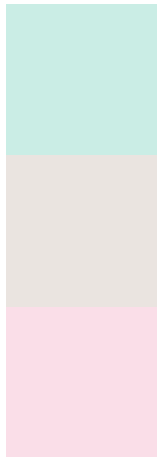


This preview shows how white text looks on a background with the Yxy color 78.7821, 0.2949, 0.3377.

# 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

78.7821, 0.2949, 0.3377

### Protanopia

78.3610, 0.3195, 0.3332

### Deuteranopia

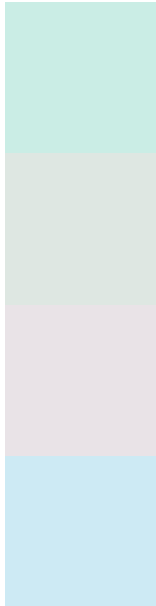
78.3927, 0.3260, 0.3190



## Tritanopia

78.4279, 0.2841, 0.3087

# Trichromacy



**Original Color**

78.7821, 0.2949, 0.3377

**Protanomaly**

78.1724, 0.3098, 0.3343

**Deuteranomaly**

78.0313, 0.3143, 0.3248

**Tritanomaly**

78.3564, 0.2880, 0.3182

# Monochromacy



**Original Color**

78.7821, 0.2949, 0.3377

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

76.8914, 0.3058, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7821, 0.2949, 0.3377 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(202, 237, 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(202, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 237, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7821, 0.2949, 0.3377 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, 229) }
```

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

```
.border{ border-color:rgb(202, 237, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 237, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 237, 229);  
box-shadow:4px 4px 4px 4px rgb(202, 237,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7821, 0.2949, 0.3377 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, 229) }
```

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

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