

# Converting Colors

$Yxy(78.8176, 0.2973, 0.3432)$

Have a look what the booklet for  
Yxy(78.8176, 0.2973, 0.3432)  
contains.

<b>Yxy(79.1419, 0.2972, 0.3433)</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(79.1419, 0.2972, 0.3433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAEEE1
RGB	202, 238, 225
RGB Percent	79%, 93%, 88%
CMY	0.2079, 0.0666, 0.1178
CMYK	0.15, 0.00, 0.05, 0.07
HSL	158°, 51%, 86%
HSV	158°, 15%, 93%
XYZ	68.5143, 79.1419, 82.8765
YIQ	225.7540, -17.2830, -11.6750

# Conversions

## Conversions Part 2

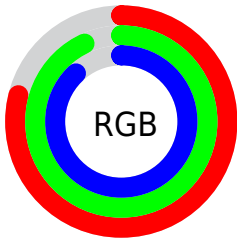
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 224, 238
Decimal	13299425
CIE Lab	91.30, -14.18, 2.39
CIE LCh	91, 14.377, 170.435
Yxy	79.1419, 0.2972, 0.3433
Android (android.graphics.Color)	4291489505 (0xFFCAEEE1)
YUV	225.7540, -0.3717, -20.8323
Hunter-Lab	88.9617, -18.2103, 7.0388

# Details

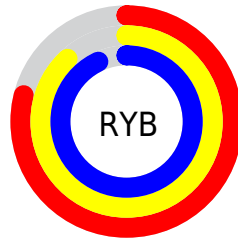
The Yxy color **79.1419, 0.2972, 0.3433** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.3183, 0.3312, 0.3151**, and the grayscale version is **75.8765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6541, 0.2938, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **75.6192, 0.2875, 0.3540**, and if you desaturate by 10%, it is **83.2070, 0.3074, 0.3336**.

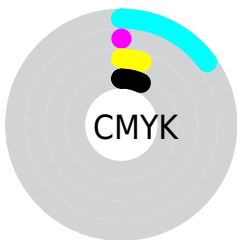
# Distribution



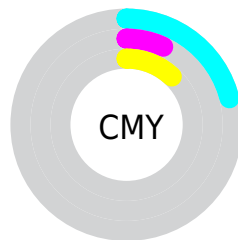
- Red (79%)
- Green (93%)
- Blue (88%)



- Red (79%)
- Yellow (88%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)



- Cyan (21%)
- Magenta (7%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1419, 0.2972, 0.3433 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 79.1419, 0.2972, 0.3433 by changing the saturation by 10% instead.



■ 79.1419, 0.2972,  
0.3433

■ 79.1419, 0.2972,  
0.3433

492.0363, 0.3043,  
0.3367

■ 59.0125, 0.2956,  
0.3448

132.1586, 0.2997,  
0.3410

■ 42.6232, 0.2936,  
0.3466

165.8147, 0.3006,  
0.3401

■ 29.5896, 0.2911,  
0.3490

204.7485, 0.3014,  
0.3394

■ 19.5273, 0.2879,  
0.3520

249.3443, 0.3022,  
0.3387

■ 12.0519, 0.2835,  
0.3562

299.9866, 0.3028,  
0.3381

■ 6.7790, 0.2773,  
0.3621

357.0598, 0.3034,

■ 3.3243, 0.2676,

0.3376

420.9482, 0.3039,  
0.3371

0.3714

1.3033, 0.2508,  
0.3879

0.1437, 0.0000,  
1.0000

79.1419, 0.2972,  
0.3433

79.1419, 0.2972,  
0.3433

75.6192, 0.2875,  
0.3540

83.2070, 0.3074,  
0.3336

72.6052, 0.2787,  
0.3657

87.8267, 0.3178,  
0.3249

70.0777, 0.2709,  
0.3783

89.3704, 0.3161,  
0.3167

68.0087, 0.2646,  
0.3916

89.6369, 0.3135,  
0.3127

■ 66.3677, 0.2601,  
0.4054

■ 65.1199, 0.2575,  
0.4195

■ 64.2251, 0.2569,  
0.4337

■ 63.6339, 0.2583,  
0.4475

■ 63.4193, 0.2595,  
0.4542

# Harmonies

## Analogous

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



79.1419, 0.3135, 0.3548



79.1419, 0.2972, 0.3433



79.1419, 0.2852, 0.3279

# Triad

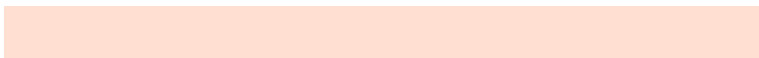
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.1419, 0.2972, 0.3433



79.1419, 0.2952, 0.3006



79.1419, 0.3461, 0.3433

# Complementary

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



79.1419, 0.2972, 0.3433



65.3183, 0.3312, 0.3151

# 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.



79.1419, 0.3409, 0.3291



79.1419, 0.2972, 0.3433



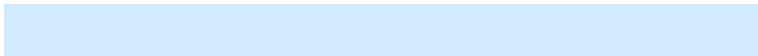
79.1419, 0.3112, 0.3050

# Square

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



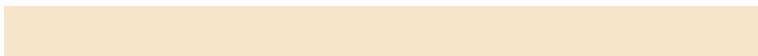
79.1419, 0.2972, 0.3433



79.1419, 0.2840, 0.3035



79.1419, 0.3280, 0.3152



79.1419, 0.3420, 0.3543

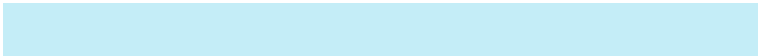


# Rectangle

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



79.1419, 0.2972, 0.3433



79.1419, 0.2811, 0.3178



79.1419, 0.3280, 0.3152



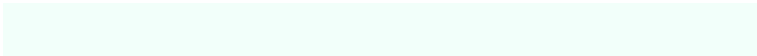
79.1419, 0.3454, 0.3388

# Sweetspot

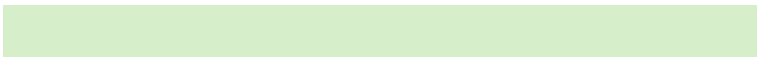
The Sweet Spot groups the original color and five complimentary colors.



79.1452, 0.2972, 0.3433



97.3678, 0.3075, 0.3335



79.8963, 0.3197, 0.3684



20.7644, 0.3068, 0.3341



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

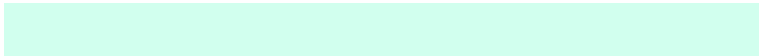


# Same Dimension

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



79.1452, 0.2972, 0.3433



91.2856, 0.2943, 0.3463



77.1237, 0.2895, 0.3237



17.8262, 0.3029, 0.3377



35.4027, 0.2589, 0.4520



2.9642, 0.2539, 0.4339



# Inverse Universe

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



65.3183, 0.3312, 0.3151



72.3853, 0.3355, 0.3123



66.9638, 0.3403, 0.3342



15.8534, 0.3236, 0.3205



10.5398, 0.5529, 0.2820



0.8952, 0.5167, 0.2620



# Previews

## White Background



This preview shows how the Yxy color 79.1419, 0.2972, 0.3433 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

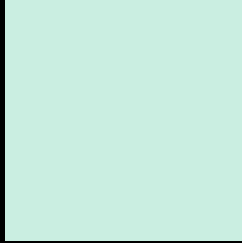
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1419, 0.2972, 0.3433 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

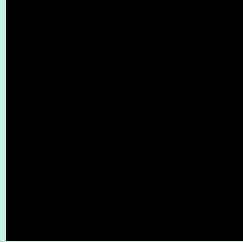
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

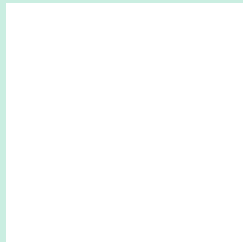
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.1419, 0.2972, 0.3433**

## Background



This preview shows how black text looks on a background with the Yxy color 79.1419, 0.2972, 0.3433.

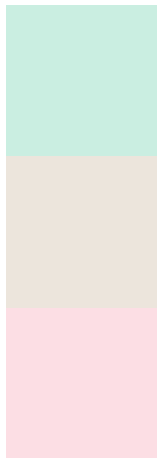


This preview shows how white text looks on a background with the Yxy color 79.1419, 0.2972, 0.3433.

# 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

79.1419, 0.2972, 0.3433

### Protanopia

79.0388, 0.3234, 0.3384

### Deuteranopia

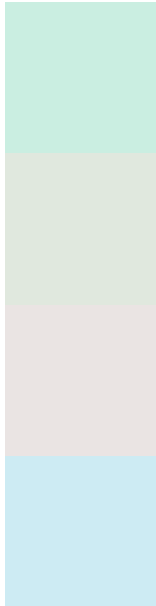
78.5394, 0.3301, 0.3230



## Tritanopia

79.2029, 0.2842, 0.3088

# Trichromacy



**Original Color**

79.1419, 0.2972, 0.3433

**Protanomaly**

78.8344, 0.3136, 0.3397

**Deuteranomaly**

78.5253, 0.3175, 0.3301

**Tritanomaly**

78.8669, 0.2886, 0.3203

# Monochromacy



**Original Color**

79.1419, 0.2972, 0.3433

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

76.8363, 0.3064, 0.3333

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1419, 0.2972, 0.3433 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, 238, 225)` looks like.

```
.text, #text, p{  
    color:rgb(202, 238, 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(202, 238, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 238, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1419, 0.2972, 0.3433 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, 238, 225) }
```

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

```
.border{ border-color:rgb(202, 238, 225) }
```

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

Here you see how a box with a 4 pixel rgb(202, 238, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 238, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 238, 225);  
box-shadow:4px 4px 4px 4px rgb(202, 238,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1419, 0.2972, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 238, 225) }
```

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

```
.background{ background-color: rgb(202,  
238, 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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