

# Converting Colors

$Yxy(79.2577, 0.2972, 0.3329)$

Have a look what the booklet for  
Yxy(79.2577, 0.2972, 0.3329)  
contains.

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# Color

**Yxy(79.3724, 0.2975, 0.3333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1ECE8
RGB	209, 236, 232
RGB Percent	82%, 93%, 91%
CMY	0.1805, 0.0745, 0.0902
CMYK	0.11, 0.00, 0.02, 0.07
HSL	171°, 42%, 87%
HSV	171°, 11%, 93%
XYZ	70.8470, 79.3724, 87.9217
YIQ	227.4710, -14.8080, -6.9680

# Conversions

## Conversions Part 2

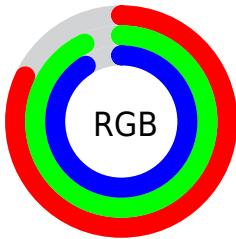
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 224, 236
Decimal	13757672
CIE Lab	91.40, -9.59, -1.06
CIE LCh	91, 9.654, 186.329
Yxy	79.3724, 0.2975, 0.3333
Android (android.graphics.Color)	4291947752 (0xFFD1ECE8)
YUV	227.4710, 2.2328, -16.1991
Hunter-Lab	89.0912, -13.9631, 3.8522

# Details

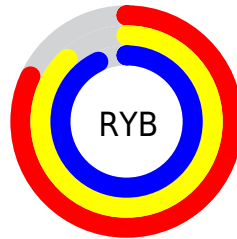
The Yxy color **79.3724, 0.2975, 0.3333** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.2243, 0.3303, 0.3248**, and the grayscale version is **77.1659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6471, 0.2941, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **75.9874, 0.2849, 0.3374**, and if you desaturate by 10%, it is **83.2779, 0.3107, 0.3295**.

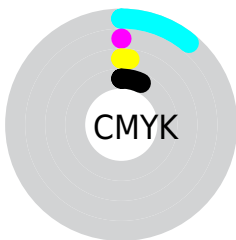
# Distribution



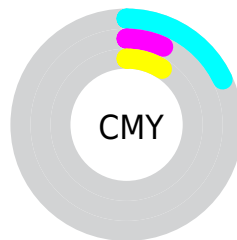
- Red (82%)
- Green (93%)
- Blue (91%)



- Red (82%)
- Yellow (88%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.3724, 0.2975, 0.3333 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 79.3724, 0.2975, 0.3333 by changing the saturation by 10% instead.



79.3724, 0.2975,  
0.3333

79.3724, 0.2975,  
0.3333

492.8153, 0.3044,  
0.3314

59.2020, 0.2959,  
0.3337

132.4830, 0.2999,  
0.3326

42.7758, 0.2940,  
0.3343

166.1920, 0.3008,  
0.3324

29.7092, 0.2916,  
0.3349

205.1827, 0.3016,  
0.3322

19.6180, 0.2885,  
0.3358

249.8395, 0.3023,  
0.3320

12.1177, 0.2844,  
0.3369

300.5468, 0.3029,  
0.3318

6.8239, 0.2785,  
0.3384

357.6889, 0.3035,

3.3522, 0.2695,

0.3316

0.3408

421.6502, 0.3040,  
0.3315

■ 1.3183, 0.2541,  
0.3447

■ 0.1553, 0.0000,  
0.3894

■ 79.3724, 0.2975,  
0.3333

■ 79.3724, 0.2975,  
0.3333

■ 75.9874, 0.2849,  
0.3374

■ 83.2779, 0.3107,  
0.3295

■ 73.0906, 0.2734,  
0.3419


■ 87.4923, 0.3236,  
0.3261


■ 70.6614, 0.2631,  
0.3467


■ 87.7020, 0.3214,  
0.3227


■ 68.6736, 0.2543,  
0.3517

■ 87.9157, 0.3192,  
0.3193

 67.0986, 0.2473,  
0.3569

 88.1334, 0.3170,  
0.3159


 65.9045, 0.2423,  
0.3622

 88.3553, 0.3148,  
0.3126

 65.0544, 0.2392,  
0.3675

 88.4795, 0.3136,  
0.3107

 64.5044, 0.2380,  
0.3728

 64.2115, 0.2381,  
0.3773

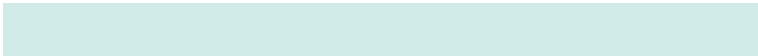
# Harmonies

## Analogous

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



79.3724, 0.3073, 0.3426



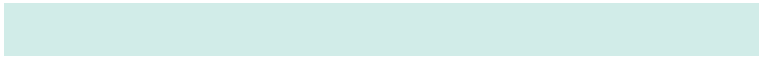
79.3724, 0.2975, 0.3333



79.3724, 0.2918, 0.3230

# Triad

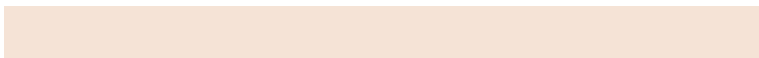
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.3724, 0.2975, 0.3333



79.3724, 0.3064, 0.3108



79.3724, 0.3343, 0.3431

# Complementary

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



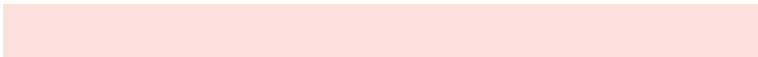
79.3724, 0.2975, 0.3333



68.2243, 0.3303, 0.3248

# 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.



79.3724, 0.3342, 0.3344



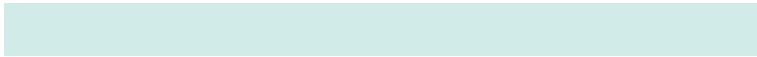
79.3724, 0.2975, 0.3333



79.3724, 0.3179, 0.3160

# Square

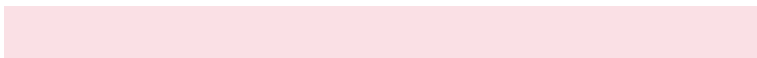
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.3724, 0.2975, 0.3333



79.3724, 0.2968, 0.3102



79.3724, 0.3281, 0.3246



79.3724, 0.3287, 0.3482



# Rectangle

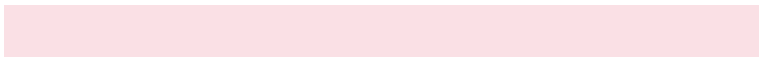
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.3724, 0.2975, 0.3333



79.3724, 0.2910, 0.3170



79.3724, 0.3281, 0.3246



79.3724, 0.3350, 0.3405

# Sweetspot

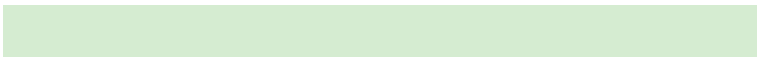
The Sweet Spot groups the original color and five complimentary colors.



79.3757, 0.2975, 0.3333



98.5047, 0.3087, 0.3301



78.7512, 0.3140, 0.3587



21.0006, 0.3076, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

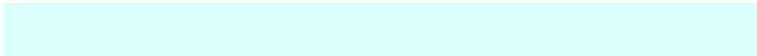


# Same Dimension

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



79.3757, 0.2975, 0.3333



93.5092, 0.2942, 0.3343



74.2991, 0.2950, 0.3187



17.0811, 0.3001, 0.3325



35.4048, 0.2379, 0.3764



2.7906, 0.2359, 0.3691



# Inverse Universe

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



68.2243, 0.3303, 0.3248



77.4948, 0.3350, 0.3237



72.8056, 0.3320, 0.3391



15.0906, 0.3269, 0.3255



9.9087, 0.6194, 0.3186

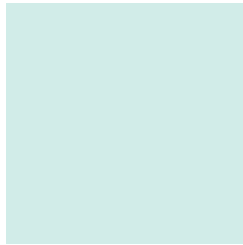


0.7893, 0.5859, 0.3001



# Previews

## White Background



This preview shows how the Yxy color 79.3724, 0.2975, 0.3333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

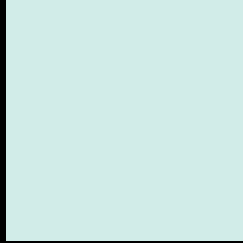
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.3724, 0.2975, 0.3333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

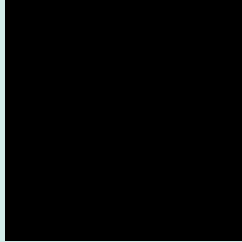
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

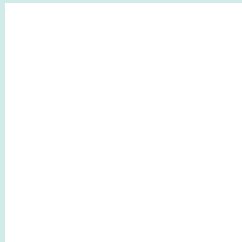
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.3724, 0.2975, 0.3333**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.3724, 0.2975, 0.3333.

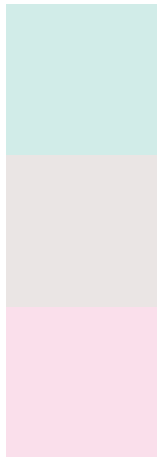


This preview shows how white text looks on a background with the Yxy color 79.3724, 0.2975, 0.3333.

# 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

79.3724, 0.2975, 0.3333

### Protanopia

79.1325, 0.3168, 0.3301

### Deuteranopia

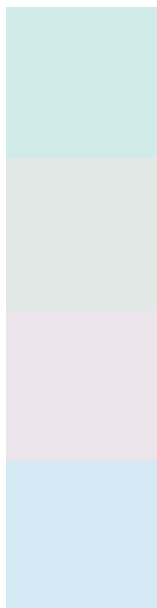
79.0975, 0.3239, 0.3170



## Tritanopia

79.3032, 0.2878, 0.3090

# Trichromacy



## Original Color

79.3724, 0.2975, 0.3333

## Protanomaly

79.3779, 0.3099, 0.3322

## Deuteranomaly

79.0895, 0.3137, 0.3228

## Tritanomaly

79.2871, 0.2912, 0.3173

# Monochromacy



## Original Color

79.3724, 0.2975, 0.3333

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

77.4664, 0.3066, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.3724, 0.2975, 0.3333 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(209, 236, 232)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 232)  
}
```

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(209, 236, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 79.3724, 0.2975, 0.3333 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(209, 236, 232) }
```

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

```
.border{ border-color:rgb(209, 236, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 236, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 232);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.3724, 0.2975, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 232) }
```

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

```
.background{ background-color: rgb(209,  
236, 232) }
```

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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