

# Converting Colors

$Yxy(75.1465, 0.2822, 0.3502)$

Have a look what the booklet for  
Yxy(75.1465, 0.2822, 0.3502)  
contains.

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# Color

**Yxy(75.0870, 0.2819, 0.3499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACEEDC
RGB	172, 238, 220
RGB Percent	67%, 93%, 86%
CMY	0.3258, 0.0666, 0.1373
CMYK	0.28, 0.00, 0.08, 0.07
HSL	164°, 66%, 80%
HSV	164°, 28%, 93%
XYZ	60.4945, 75.0870, 79.0141
YIQ	216.2140, -33.5580, -19.5900

# Conversions

## Conversions Part 2

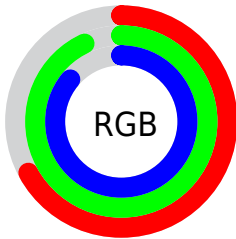
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 210, 238
Decimal	11333340
CIELab	89.43, -24.36, 2.06
CIELCh	89, 24.449, 175.176
Yxy	75.0870, 0.2819, 0.3499
Android (android.graphics.Color)	4289523420 (0xFFACEEDC)
YUV	216.2140, 1.8665, -38.7757
Hunter-Lab	86.6528, -27.0269, 6.5935

# Details

The Yxy color **75.0870, 0.2819, 0.3499** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.3752, 0.3569, 0.3092**, and the grayscale version is **68.8195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **40.0241, 0.2750, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **72.2979, 0.2724, 0.3587**, and if you desaturate by 10%, it is **78.3778, 0.2924, 0.3417**.

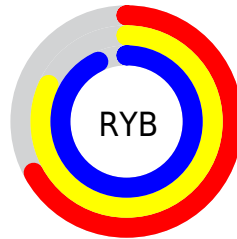
# Distribution



Red (67%)

Green (93%)

Blue (86%)



Red (67%)

Yellow (82%)

Blue (93%)

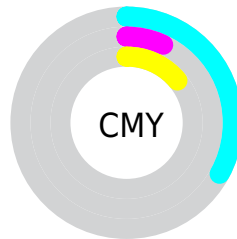


Cyan (28%)

Magenta (0%)

Yellow (8%)

Black (7%)



Cyan (33%)

Magenta (7%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0870, 0.2819, 0.3499 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 75.0870, 0.2819, 0.3499 by changing the saturation by 10% instead.




 75.0870, 0.2819,  
0.3499

 75.0870, 0.2819,  
0.3499


478.2165, 0.2961,  
0.3402

 55.6842, 0.2787,  
0.3521


 126.4355, 0.2868,  
0.3465

 39.9498, 0.2747,  
0.3549


159.1500, 0.2887,  
0.3452

 27.4994, 0.2696,  
0.3584


197.0704, 0.2904,  
0.3441

 17.9486, 0.2631,  
0.3629

240.5813, 0.2918,  
0.3431

 10.9131, 0.2542,  
0.3692

290.0669, 0.2931,  
0.3423

 6.0084, 0.2414,  
0.3783


345.9118, 0.2942,

 2.8502, 0.2216,


0.3415


0.3926

408.5002, 0.2952,  
0.3408

 1.0540, 0.1627,  
0.4310

 0.0000, 0.0000,  
0.0000


 75.0870, 0.2819,  
0.3499

 75.0870, 0.2819,  
0.3499

 72.2979, 0.2724,  
0.3587


 78.3778, 0.2924,  
0.3417


 69.9754, 0.2641,  
0.3681


 82.1851, 0.3037,  
0.3343


 68.0943, 0.2575,  
0.3780


 86.5343, 0.3153,  
0.3276

 66.6231, 0.2527,  
0.3882


 89.0710, 0.3191,  
0.3213


 65.5261, 0.2498,  
0.3986

 89.4764, 0.3150,  
0.3151

 64.7615, 0.2490,  
0.4089

 89.6397, 0.3135,  
0.3127

 64.2725, 0.2501,  
0.4192

 64.1817, 0.2504,  
0.4214

# Harmonies

## Analogous

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



75.0870, 0.3089, 0.3722



75.0870, 0.2819, 0.3499



75.0870, 0.2635, 0.3221

# Triad

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



75.0870, 0.2819, 0.3499



75.0870, 0.2862, 0.2814



75.0870, 0.3707, 0.3562

# Complementary

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



75.0870, 0.2819, 0.3499



51.3752, 0.3569, 0.3092

# 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.



75.0870, 0.3643, 0.3324



75.0870, 0.2819, 0.3499



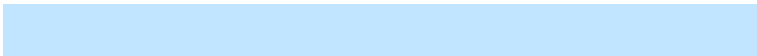
75.0870, 0.3144, 0.2906

# Square

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



75.0870, 0.2819, 0.3499



75.0870, 0.2660, 0.2836



75.0870, 0.3433, 0.3088



75.0870, 0.3608, 0.3745

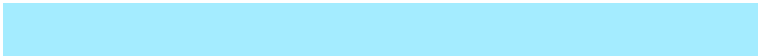


# Rectangle

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



75.0870, 0.2819, 0.3499



75.0870, 0.2582, 0.3051



75.0870, 0.3433, 0.3088



75.0870, 0.3705, 0.3486

# Sweetspot

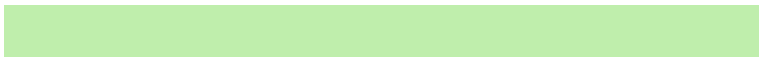
The Sweet Spot groups the original color and five complimentary colors.



75.0901, 0.2819, 0.3499



95.9811, 0.3034, 0.3345



75.1676, 0.3213, 0.4064



20.3920, 0.3016, 0.3356



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.



75.0901, 0.2819, 0.3499



85.9905, 0.2766, 0.3546



68.0872, 0.2706, 0.3123



17.8511, 0.3017, 0.3355



35.8235, 0.2500, 0.4198



2.9968, 0.2462, 0.4063



# Inverse Universe

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



51.3752, 0.3569, 0.3092



54.2149, 0.3687, 0.3052



56.3800, 0.3691, 0.3450



15.8296, 0.3250, 0.3226



10.3718, 0.5856, 0.2999

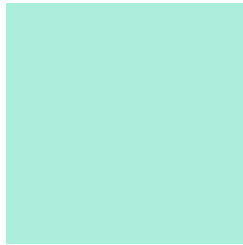


0.8790, 0.5483, 0.2794



# Previews

## White Background



This preview shows how the Yxy color 75.0870, 0.2819, 0.3499 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

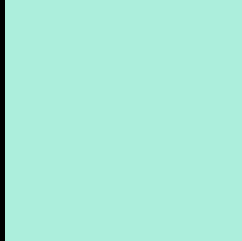
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0870, 0.2819, 0.3499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

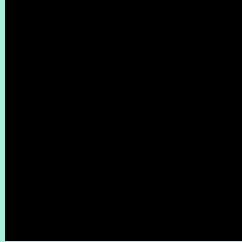
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

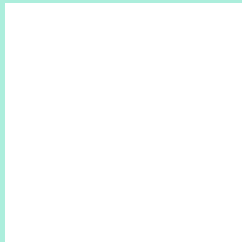
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.0870, 0.2819, 0.3499**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0870, 0.2819, 0.3499.

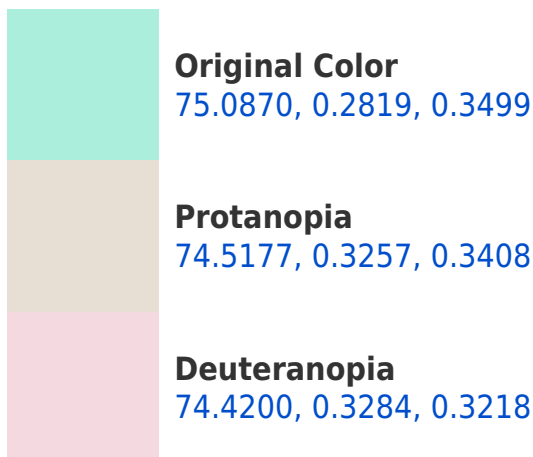


This preview shows how white text looks on a background with the Yxy color 75.0870, 0.2819, 0.3499.

# 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

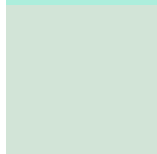
74.8898, 0.2684, 0.3078

# Trichromacy



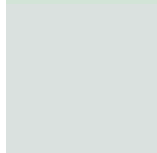
## Original Color

75.0870, 0.2819, 0.3499



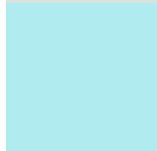
## Protanomaly

74.0947, 0.3086, 0.3434



## Deuteranomaly

74.0836, 0.3091, 0.3312



## Tritanomaly

74.9380, 0.2732, 0.3232

# Monochromacy



## Original Color

75.0870, 0.2819, 0.3499



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.6004, 0.3006, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0870, 0.2819, 0.3499 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(172, 238, 220)` looks like.

```
.text, #text, p{  
    color:rgb(172, 238, 220)  
}
```

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(172, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 238, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0870, 0.2819, 0.3499 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(172, 238, 220) }
```

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

```
.border{ border-color:rgb(172, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(172, 238,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0870, 0.2819, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 238, 220) }
```

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

```
.background{ background-color: rgb(172,  
238, 220) }
```

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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