

# Converting Colors

$Yxy(75.5985, 0.2737, 0.3341)$

Have a look what the booklet for  
Yxy(75.5985, 0.2737, 0.3341)  
contains.

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# Color

**Yxy(75.5783, 0.2739, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEEEE9
RGB	170, 238, 233
RGB Percent	67%, 93%, 91%
CMY	0.3332, 0.0667, 0.0862
CMYK	0.29, 0.00, 0.02, 0.07
HSL	176°, 67%, 80%
HSV	176°, 29%, 93%
XYZ	61.8676, 75.5783, 88.4307
YIQ	217.0980, -38.9230, -15.9710

# Conversions

## Conversions Part 2

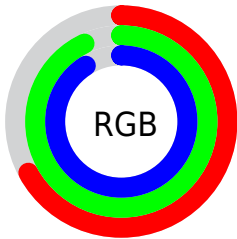
Format	Color
<b>RYB</b>	170, 205, 238
Decimal	11202281
CIELab	89.66, -22.12, -4.42
CIELCh	90, 22.559, 191.304
Yxy	75.5783, 0.2739, 0.3346
Android (android.graphics.Color)	4289392361 (0xFFAAEEEE9)
YUV	217.0980, 7.8397, -41.3049
Hunter-Lab	86.9358, -25.1086, 0.5455

# Details

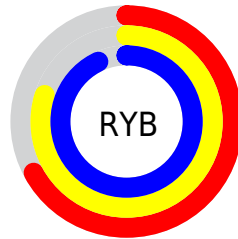
The Yxy color **75.5783, 0.2739, 0.3346** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.0359, 0.3711, 0.3236**, and the grayscale version is **69.4312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **40.2751, 0.2651, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **73.0648, 0.2625, 0.3369**, and if you desaturate by 10%, it is **78.5791, 0.2866, 0.3325**.

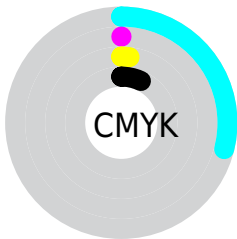
# Distribution



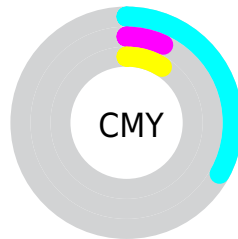
- Red (67%)
- Green (93%)
- Blue (91%)



- Red (67%)
- Yellow (80%)
- Blue (93%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)




- Cyan (33%)
- Magenta (7%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5783, 0.2739, 0.3346 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 75.5783, 0.2739, 0.3346 by changing the saturation by 10% instead.





 75.5783, 0.2739,  
0.3346

 75.5783, 0.2739,  
0.3346


479.9029, 0.2916,  
0.3322

 56.0868, 0.2699,  
0.3351


 127.1306, 0.2800,  
0.3338

 40.2725, 0.2651,  
0.3357


159.9602, 0.2824,  
0.3335

 27.7511, 0.2589,  
0.3363


198.0047, 0.2844,  
0.3332

 18.1381, 0.2510,  
0.3372

241.6483, 0.2862,  
0.3330

 11.0492, 0.2404,  
0.3381

291.2756, 0.2878,  
0.3328

 6.0999, 0.2255,  
0.3393

347.2708, 0.2892,

 2.9059, 0.2030,

0.3326

410.0185, 0.2905,  
0.3324

0.3404

1.0828, 0.1524,  
0.3461

0.0000, 0.0000,  
0.0000

75.5783, 0.2739,  
0.3346

75.5783, 0.2739,  
0.3346

73.0648, 0.2625,  
0.3369

78.5791, 0.2866,  
0.3325

71.0034, 0.2526,  
0.3392


82.0819, 0.3004,  
0.3305

69.3689, 0.2446,  
0.3417

86.1122, 0.3148,  
0.3288


68.1297, 0.2384,  
0.3441

88.6976, 0.3228,  
0.3271


 67.2499, 0.2342,  
0.3466

 88.8017, 0.3217,  
0.3254


 66.6871, 0.2319,  
0.3491

 88.9068, 0.3206,  
0.3237

 66.3797, 0.2311,  
0.3516

 89.0129, 0.3195,  
0.3220

 66.3441, 0.2311,  
0.3519

 89.1200, 0.3184,  
0.3203

 89.2282, 0.3174,  
0.3187

# Harmonies

## Analogous

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



75.5783, 0.2952, 0.3588



75.5783, 0.2739, 0.3346



75.5783, 0.2629, 0.3099

# Triad

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



75.5783, 0.2739, 0.3346



75.5783, 0.3018, 0.2883



75.5783, 0.3630, 0.3643

# Complementary

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



75.5783, 0.2739, 0.3346



50.0359, 0.3711, 0.3236

# 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.



75.5783, 0.3653, 0.3444



75.5783, 0.2739, 0.3346



75.5783, 0.3291, 0.3017

# Square

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



75.5783, 0.2739, 0.3346



75.5783, 0.2784, 0.2846



75.5783, 0.3527, 0.3218



75.5783, 0.3468, 0.3757

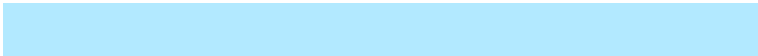


# Rectangle

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



75.5783, 0.2739, 0.3346



75.5783, 0.2626, 0.2969



75.5783, 0.3527, 0.3218



75.5783, 0.3654, 0.3583

# Sweetspot

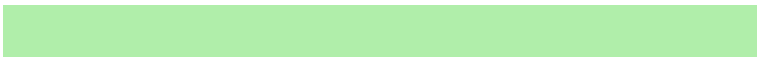
The Sweet Spot groups the original color and five complimentary colors.



75.5814, 0.2739, 0.3346



95.7964, 0.2997, 0.3306



73.2458, 0.3125, 0.4111



20.3691, 0.2976, 0.3309



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

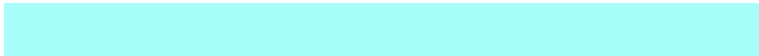


# Same Dimension

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



75.5814, 0.2739, 0.3346



86.6955, 0.2674, 0.3358



60.6585, 0.2678, 0.2954



17.9078, 0.2991, 0.3307



37.0231, 0.2310, 0.3515



3.0859, 0.2301, 0.3483



# Inverse Universe

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



50.0359, 0.3711, 0.3236



52.4576, 0.3874, 0.3225



61.6303, 0.3671, 0.3603



15.7776, 0.3282, 0.3273



10.1712, 0.6322, 0.3256

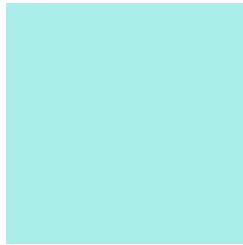


0.8526, 0.6129, 0.3150



# Previews

## White Background



This preview shows how the Yxy color 75.5783, 0.2739, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

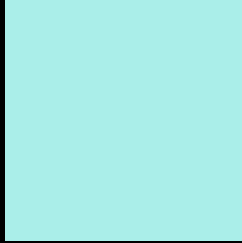
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5783, 0.2739, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

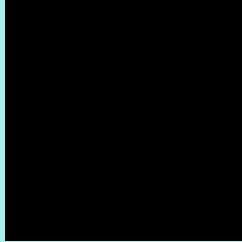
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.5783, 0.2739, 0.3346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5783, 0.2739, 0.3346.

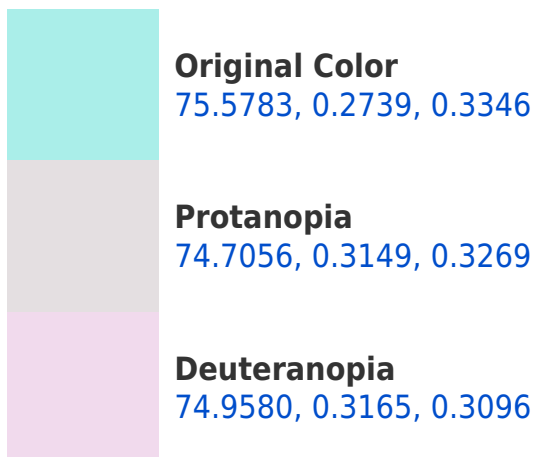


This preview shows how white text looks on a background with the Yxy color 75.5783, 0.2739, 0.3346.

# 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

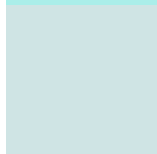
75.6864, 0.2655, 0.3078

# Trichromacy



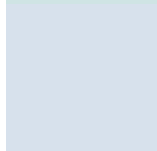
## Original Color

75.5783, 0.2739, 0.3346



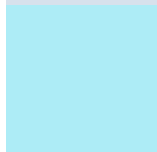
## Protanomaly

74.3536, 0.2985, 0.3290



## Deuteranomaly

74.3536, 0.2989, 0.3171



## Tritanomaly

75.5290, 0.2686, 0.3176

# Monochromacy



## Original Color

75.5783, 0.2739, 0.3346



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.4575, 0.2969, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5783, 0.2739, 0.3346 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(170, 238, 233)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 233)  
}
```

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(170, 238, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5783, 0.2739, 0.3346 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(170, 238, 233) }
```

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

```
.border{ border-color:rgb(170, 238, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 238, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 233);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5783, 0.2739, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 233) }
```

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

```
.background{ background-color: rgb(170,  
238, 233) }
```

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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