

# Converting Colors

$Yxy(75.8161, 0.2730, 0.3369)$

Have a look what the booklet for  
Yxy(75.8161, 0.2730, 0.3369)  
contains.

<b>Yxy(75.7747, 0.2729, 0.3370)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(75.7747, 0.2729, 0.3370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7EFE8
RGB	167, 239, 232
RGB Percent	65%, 94%, 91%
CMY	0.3452, 0.0627, 0.0903
CMYK	0.30, 0.00, 0.03, 0.06
HSL	174°, 69%, 80%
HSV	174°, 30%, 94%
XYZ	61.3618, 75.7747, 87.7143
YIQ	216.6740, -40.6650, -17.4410

# Conversions

## Conversions Part 2

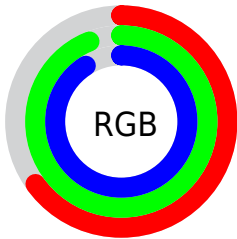
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 205, 239
Decimal	11005928
CIELab	89.75, -23.70, -3.76
CIELCh	90, 23.996, 189.012
Yxy	75.7747, 0.2729, 0.3370
Android (android.graphics.Color)	4289196008 (0xFFA7EFE8)
YUV	216.6740, 7.5557, -43.5641
Hunter-Lab	87.0487, -26.5081, 1.1907

# Details

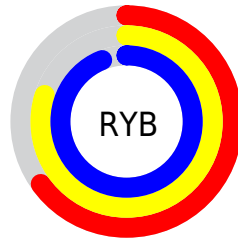
The Yxy color **75.7747, 0.2729, 0.3370** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.0403, 0.3739, 0.3213**, and the grayscale version is **69.1195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **40.4463, 0.2640, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **73.2792, 0.2619, 0.3401**, and if you desaturate by 10%, it is **78.7590, 0.2852, 0.3341**.

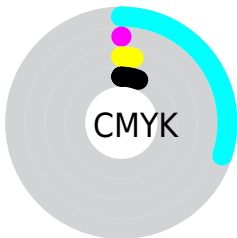
# Distribution



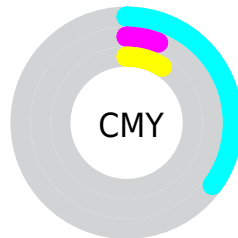
- Red (65%)
- Green (94%)
- Blue (91%)



- Red (65%)
- Yellow (80%)
- Blue (94%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)



- Cyan (35%)
- Magenta (6%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7747, 0.2729, 0.3370 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 75.7747, 0.2729, 0.3370 by changing the saturation by 10% instead.




 75.7747, 0.2729,  
0.3370


 75.7747, 0.2729,  
0.3370


480.5761, 0.2910,  
0.3335

 56.2478, 0.2688,  
0.3377


 127.4084, 0.2791,  
0.3358

 40.4016, 0.2638,  
0.3386


 160.2839, 0.2816,  
0.3354

 27.8518, 0.2576,  
0.3397


198.3778, 0.2837,  
0.3350

 18.2140, 0.2494,  
0.3410

242.0744, 0.2855,  
0.3346

 11.1037, 0.2386,  
0.3427

291.7582, 0.2872,  
0.3343

 6.1366, 0.2233,  
0.3449

347.8134, 0.2886,

 2.9283, 0.2002,

0.3340

410.6246, 0.2899,  
0.3338

0.3477

1.0944, 0.1462,  
0.3573

0.0000, 0.0000,  
0.0000

75.7747, 0.2729,  
0.3370

75.7747, 0.2729,  
0.3370

73.2792, 0.2619,  
0.3401

78.7590, 0.2852,  
0.3341

71.2370, 0.2525,  
0.3433

82.2476, 0.2985,  
0.3315

69.6218, 0.2449,  
0.3466

86.2664, 0.3125,  
0.3290

68.4013, 0.2393,  
0.3500

89.3693, 0.3219,  
0.3268

67.5383, 0.2355,  
0.3533

89.5100, 0.3204,  
0.3245

66.9884, 0.2337,  
0.3567

89.6525, 0.3190,  
0.3223

66.6797, 0.2333,  
0.3600

89.7969, 0.3175,  
0.3200

89.9430, 0.3161,  
0.3178

90.0910, 0.3147,  
0.3155

# Harmonies

## Analogous

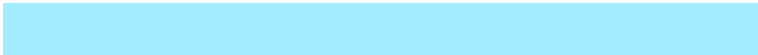
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7747, 0.2961, 0.3624



75.7747, 0.2729, 0.3370



75.7747, 0.2603, 0.3105

# Triad

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



75.7747, 0.2729, 0.3370



75.7747, 0.2989, 0.2852



75.7747, 0.3669, 0.3650

# Complementary

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



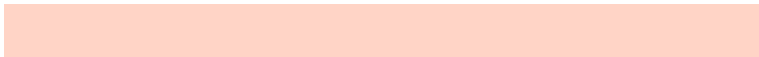
75.7747, 0.2729, 0.3370



49.0403, 0.3739, 0.3213

# 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.



75.7747, 0.3681, 0.3434



75.7747, 0.2729, 0.3370



75.7747, 0.3279, 0.2987

# Square

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



75.7747, 0.2729, 0.3370



75.7747, 0.2748, 0.2821



75.7747, 0.3536, 0.3195



75.7747, 0.3506, 0.3782

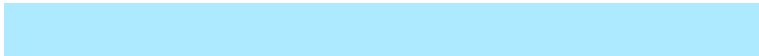


# Rectangle

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



75.7747, 0.2729, 0.3370



75.7747, 0.2593, 0.2962



75.7747, 0.3536, 0.3195



75.7747, 0.3691, 0.3584

# Sweetspot

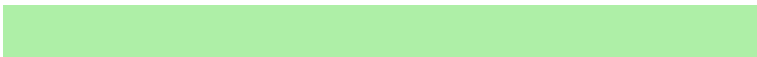
The Sweet Spot groups the original color and five complimentary colors.



75.7778, 0.2729, 0.3370



95.7606, 0.3000, 0.3312



73.5489, 0.3132, 0.4162



20.3602, 0.2980, 0.3316



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.



75.7778, 0.2729, 0.3370



85.9833, 0.2662, 0.3388



60.6380, 0.2654, 0.2947



17.9008, 0.2994, 0.3313



36.8557, 0.2332, 0.3595



3.0737, 0.2320, 0.3550



# Inverse Universe

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



49.0403, 0.3739, 0.3213



50.5106, 0.3915, 0.3198



60.5289, 0.3712, 0.3608



15.7839, 0.3278, 0.3267



10.1845, 0.6288, 0.3238

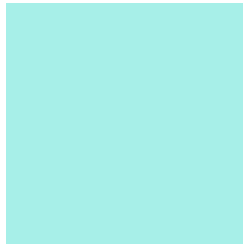


0.8557, 0.6045, 0.3104



# Previews

## White Background



This preview shows how the Yxy color 75.7747, 0.2729, 0.3370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

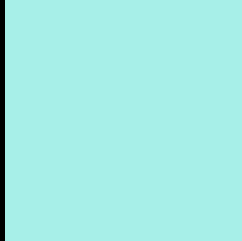
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7747, 0.2729, 0.3370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

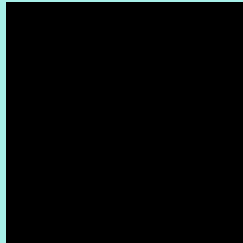
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.7747, 0.2729, 0.3370**

## Background



This preview shows how black text looks on a background with the Yxy color 75.7747, 0.2729, 0.3370.

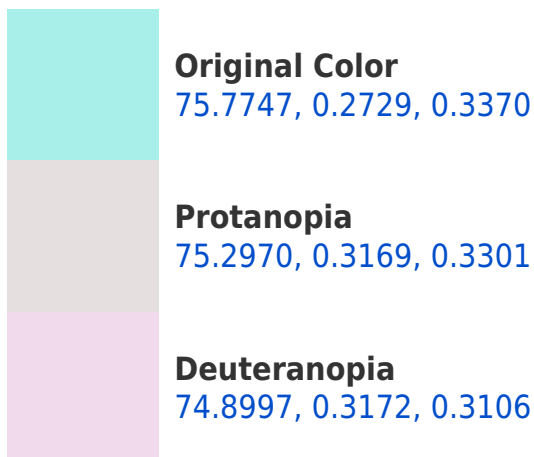


This preview shows how white text looks on a background with the Yxy color 75.7747, 0.2729, 0.3370.

# 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

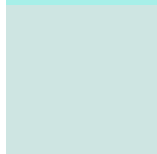
75.9173, 0.2640, 0.3088

# Trichromacy



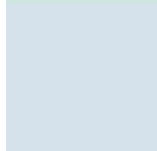
## Original Color

75.7747, 0.2729, 0.3370



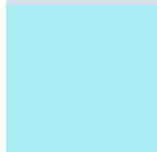
## Protanomaly

74.6514, 0.2991, 0.3323



## Deuteranomaly

74.6870, 0.2989, 0.3193



## Tritanomaly

75.7682, 0.2671, 0.3187

# Monochromacy



## Original Color

75.7747, 0.2729, 0.3370



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.2665, 0.2969, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7747, 0.2729, 0.3370 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(167, 239, 232)` looks like.

```
.text, #text, p{  
    color:rgb(167, 239, 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(167, 239, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 239, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7747, 0.2729, 0.3370 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(167, 239, 232) }
```

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

```
.border{ border-color:rgb(167, 239, 232) }
```

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

Here you see how a box with a 4 pixel rgb(167, 239, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 239, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 239, 232);  
box-shadow:4px 4px 4px 4px rgb(167, 239,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7747, 0.2729, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 239, 232) }
```

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

```
.background{ background-color: rgb(167,  
239, 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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