

# Converting Colors

$Yxy(77.9922, 0.2730, 0.3369)$

Have a look what the booklet for  
Yxy(77.9922, 0.2730, 0.3369)  
contains.

<b>Yxy(77.9374, 0.2728, 0.3369)</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(77.9374, 0.2728, 0.3369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9F2EB
RGB	169, 242, 235
RGB Percent	66%, 95%, 92%
CMY	0.3372, 0.0510, 0.0785
CMYK	0.30, 0.00, 0.03, 0.05
HSL	174°, 74%, 81%
HSV	174°, 30%, 95%
XYZ	63.1087, 77.9374, 90.2908
YIQ	219.3750, -41.2610, -17.6530

# Conversions

## Conversions Part 2

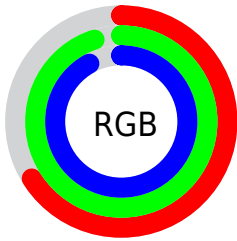
Format	Color
<b>R<sub>YB</sub></b>	169, 207, 242
Decimal	11137771
CIE <sub>Lab</sub>	90.75, -23.93, -3.84
CIE <sub>LCh</sub>	91, 24.241, 189.127
Yxy	77.9374, 0.2728, 0.3369
Android (android.graphics.Color)	4289327851 (0xFFA9F2EB)
YUV	219.3750, 7.7031, -44.1789
Hunter-Lab	88.2822, -26.8926, 1.1585

# Details

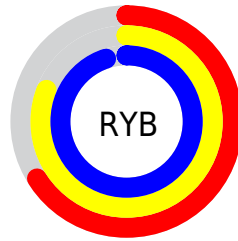
The Yxy color **77.9374, 0.2728, 0.3369** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.3980, 0.3741, 0.3214**, and the grayscale version is **71.0824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **41.9499, 0.2640, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **75.3728, 0.2618, 0.3399**, and if you desaturate by 10%, it is **81.0054, 0.2851, 0.3341**.

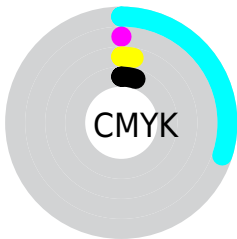
# Distribution



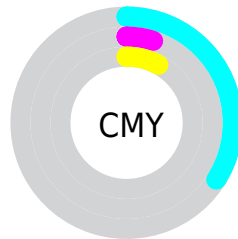
- Red (66%)
- Green (95%)
- Blue (92%)



- Red (66%)
- Yellow (81%)
- Blue (95%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)



- Cyan (34%)
- Magenta (5%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9374, 0.2728, 0.3369 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 77.9374, 0.2728, 0.3369 by changing the saturation by 10% instead.





 77.9374, 0.2728,  
0.3369

 77.9374, 0.2728,  
0.3369


487.9542, 0.2909,  
0.3335

 58.0226, 0.2688,  
0.3376


 130.4619, 0.2790,  
0.3358

 41.8268, 0.2638,  
0.3385


163.8403, 0.2814,  
0.3353

 28.9657, 0.2576,  
0.3395


202.4754, 0.2835,  
0.3349

 19.0549, 0.2496,  
0.3408

246.7515, 0.2854,  
0.3346

 11.7099, 0.2390,  
0.3424

297.0530, 0.2870,  
0.3343

 6.5465, 0.2241,  
0.3445

353.7644, 0.2884,

 3.1801, 0.2018,

0.3340

417.2700, 0.2897,  
0.3337

0.3471

1.2265, 0.1576,  
0.3533

0.0832, 0.0000,  
0.1879

77.9374, 0.2728,  
0.3369

77.9374, 0.2728,  
0.3369

75.3728, 0.2618,  
0.3399

81.0054, 0.2851,  
0.3341

73.2747, 0.2524,  
0.3431


84.5927, 0.2984,  
0.3314


71.6164, 0.2448,  
0.3464


88.7260, 0.3125,  
0.3290

70.3643, 0.2391,  
0.3497

91.3168, 0.3198,  
0.3268

 69.4801, 0.2354,  
0.3530


 91.4596, 0.3184,  
0.3245


 68.9181, 0.2336,  
0.3563

 91.6043, 0.3170,  
0.3223

 68.6046, 0.2332,  
0.3596

 91.7507, 0.3155,  
0.3201

 91.8989, 0.3141,  
0.3178

 91.9869, 0.3133,  
0.3165

# Harmonies

## Analogous

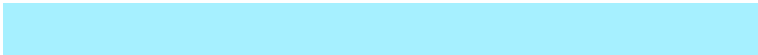
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9374, 0.2960, 0.3624



77.9374, 0.2728, 0.3369



77.9374, 0.2603, 0.3104

# Triad

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



77.9374, 0.2728, 0.3369



77.9374, 0.2990, 0.2852



77.9374, 0.3669, 0.3651

# Complementary

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



77.9374, 0.2728, 0.3369



50.3980, 0.3741, 0.3214

# 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.



77.9374, 0.3682, 0.3435



77.9374, 0.2728, 0.3369



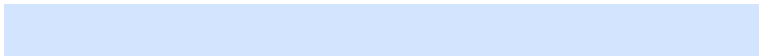
77.9374, 0.3280, 0.2988

# Square

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



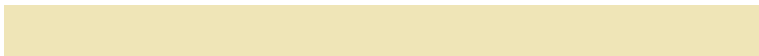
77.9374, 0.2728, 0.3369



77.9374, 0.2748, 0.2820



77.9374, 0.3537, 0.3196



77.9374, 0.3506, 0.3783



# Rectangle

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



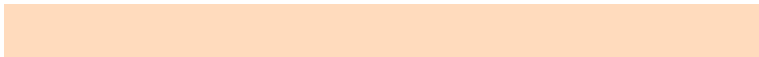
77.9374, 0.2728, 0.3369



77.9374, 0.2593, 0.2961



77.9374, 0.3537, 0.3196



77.9374, 0.3691, 0.3585

# Sweetspot

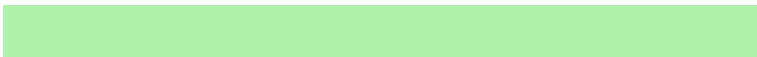
The Sweet Spot groups the original color and five complimentary colors.



77.9405, 0.2728, 0.3369



95.7625, 0.3000, 0.3312



75.6394, 0.3132, 0.4163



20.3607, 0.2980, 0.3315



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.



77.9405, 0.2728, 0.3369



85.9909, 0.2661, 0.3387



62.3415, 0.2654, 0.2947



17.9012, 0.2994, 0.3313



36.8647, 0.2331, 0.3590



3.0744, 0.2319, 0.3547



# Inverse Universe

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



50.3980, 0.3741, 0.3214



50.5058, 0.3916, 0.3199



62.2292, 0.3713, 0.3609



15.7836, 0.3278, 0.3268



10.1837, 0.6290, 0.3239

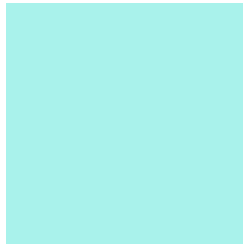


0.8555, 0.6049, 0.3106



# Previews

## White Background



This preview shows how the Yxy color 77.9374, 0.2728, 0.3369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

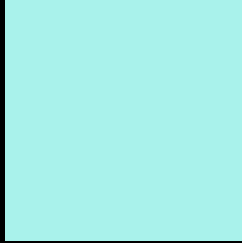
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9374, 0.2728, 0.3369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

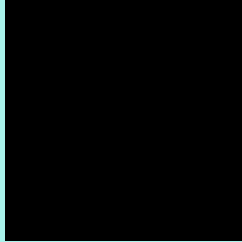
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.9374, 0.2728, 0.3369**

## Background



This preview shows how black text looks on a background with the Yxy color 77.9374, 0.2728, 0.3369.

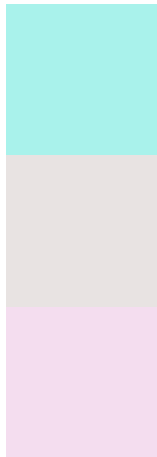


This preview shows how white text looks on a background with the Yxy color 77.9374, 0.2728, 0.3369.

# 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

77.9374, 0.2728, 0.3369

### Protanopia

77.5850, 0.3168, 0.3301

### Deuteranopia

77.1780, 0.3171, 0.3108



## Tritanopia

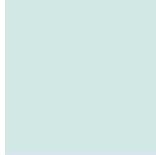
78.0724, 0.2680, 0.3103

# Trichromacy



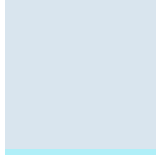
## Original Color

77.9374, 0.2728, 0.3369



## Protanomaly

76.9257, 0.2993, 0.3322



## Deuteranomaly

76.9634, 0.2991, 0.3194



## Tritanomaly

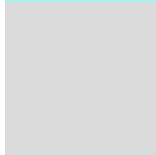
77.7404, 0.2695, 0.3189

# Monochromacy



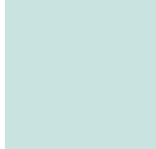
## Original Color

77.9374, 0.2728, 0.3369



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.7919, 0.2964, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9374, 0.2728, 0.3369 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(169, 242, 235)` looks like.

```
.text, #text, p{  
    color:rgb(169, 242, 235)  
}
```

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(169, 242, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 242, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9374, 0.2728, 0.3369 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(169, 242, 235) }
```

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

```
.border{ border-color:rgb(169, 242, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 242, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 242, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 242, 235);  
box-shadow:4px 4px 4px 4px rgb(169, 242,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9374, 0.2728, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 242, 235) }
```

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

```
.background{ background-color: rgb(169,  
242, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor