

# Converting Colors

$Yxy(67.9871, 0.2763, 0.3375)$

Have a look what the booklet for  
Yxy(67.9871, 0.2763, 0.3375)  
contains.

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# Color

**Yxy(67.9980, 0.2763, 0.3373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4E3DC
RGB	164, 227, 220
RGB Percent	64%, 89%, 86%
CMY	0.3568, 0.1098, 0.1373
CMYK	0.28, 0.00, 0.03, 0.11
HSL	173°, 53%, 77%
HSV	173°, 28%, 89%
XYZ	55.7007, 67.9980, 77.8963
YIQ	207.3650, -35.3010, -15.5330

# Conversions

## Conversions Part 2

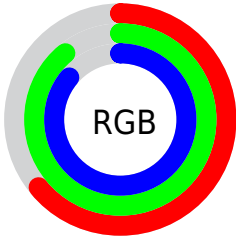
Format	Color
<a href="#">RYB</a>	<a href="#">164, 197, 227</a>
Decimal	<a href="#">10806236</a>
CIELab	<a href="#">86.01, -21.26, -3.00</a>
CIElCh	<a href="#">86, 21.471, 188.040</a>
Yxy	<a href="#">67.9980, 0.2763, 0.3373</a>
Android (android.graphics.Color)	<a href="#">4288996316 (0xFFA4E3DC)</a>
YUV	<a href="#">207.3650, 6.2291, -38.0311</a>
Hunter-Lab	<a href="#">82.4609, -23.7334, 1.7146</a>

# Details

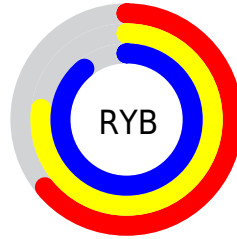
The Yxy color **67.9980, 0.2763, 0.3373** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8335, 0.3664, 0.3210**, and the grayscale version is **62.6254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **35.1574, 0.2675, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **65.6640, 0.2651, 0.3407**, and if you desaturate by 10%, it is **70.7706, 0.2887, 0.3341**.

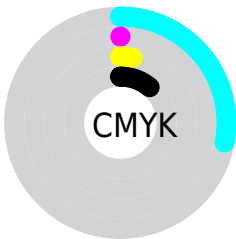
# Distribution



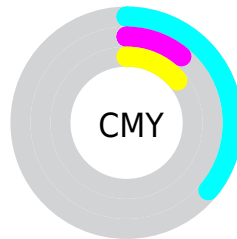
- Red (64%)
- Green (89%)
- Blue (86%)



- Red (64%)
- Yellow (77%)
- Blue (89%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (36%)
- Magenta (11%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9980, 0.2763, 0.3373 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 67.9980, 0.2763, 0.3373 by changing the saturation by 10% instead.




 67.9980, 0.2763,  
0.3373

 67.9980, 0.2763,  
0.3373


453.4889, 0.2932,  
0.3336

 49.8961, 0.2724,  
0.3381


 116.3493, 0.2822,  
0.3360

 35.3309, 0.2676,  
0.3391


 147.3675, 0.2845,  
0.3355

 23.9178, 0.2615,  
0.3404


183.4599, 0.2864,  
0.3351

 15.2727, 0.2535,  
0.3419

225.0109, 0.2882,  
0.3347

 9.0110, 0.2425,  
0.3440

272.4049, 0.2897,  
0.3344

 4.7484, 0.2266,  
0.3468


326.0263, 0.2910,

 2.1004, 0.2017,


0.3341


386.2595, 0.2922,  
0.3338

0.3507


 0.6648, 0.0660,  
0.3884

 0.0000, 0.0000,  
0.0000

 67.9980, 0.2763,  
0.3373


 67.9980, 0.2763,  
0.3373


 65.6640, 0.2651,  
0.3407


 70.7706, 0.2887,  
0.3341


 63.7374, 0.2555,  
0.3444


 73.9947, 0.3020,  
0.3311


 62.1959, 0.2475,  
0.3481


 77.6929, 0.3159,  
0.3284


 61.0116, 0.2415,  
0.3520

 81.8840, 0.3302,  
0.3260


 60.1531, 0.2373,  
0.3558


 82.0595, 0.3286,  
0.3235

 59.5831, 0.2351,  
0.3597


 82.2045, 0.3269,  
0.3210

 59.2509, 0.2346,  
0.3635

 82.3515, 0.3253,  
0.3185

 59.1908, 0.2346,  
0.3644

 82.5007, 0.3236,  
0.3161

 82.6519, 0.3219,  
0.3136

# Harmonies

## Analogous

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



67.9980, 0.2982, 0.3606



67.9980, 0.2763, 0.3373



67.9980, 0.2642, 0.3126

# Triad

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



67.9980, 0.2763, 0.3373



67.9980, 0.2991, 0.2879



67.9980, 0.3632, 0.3620

# Complementary

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



67.9980, 0.2763, 0.3373



45.8335, 0.3664, 0.3210

# 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.



67.9980, 0.3638, 0.3418



67.9980, 0.2763, 0.3373



67.9980, 0.3260, 0.3003

# Square

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



67.9980, 0.2763, 0.3373



67.9980, 0.2769, 0.2854



67.9980, 0.3500, 0.3196



67.9980, 0.3486, 0.3744

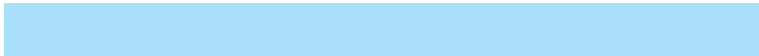


# Rectangle

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



67.9980, 0.2763, 0.3373



67.9980, 0.2629, 0.2992



67.9980, 0.3500, 0.3196



67.9980, 0.3651, 0.3558

# Sweetspot

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



68.0008, 0.2763, 0.3373



96.1889, 0.3015, 0.3312



66.3195, 0.3139, 0.4078



20.4446, 0.2995, 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.



68.0008, 0.2763, 0.3373



86.7930, 0.2700, 0.3392



56.0877, 0.2695, 0.2992



16.3073, 0.2996, 0.3316



34.5312, 0.2344, 0.3638



2.5597, 0.2328, 0.3582



# Inverse Universe

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



45.8335, 0.3664, 0.3210



53.6329, 0.3813, 0.3194



55.0503, 0.3657, 0.3569



14.3939, 0.3275, 0.3264



9.5742, 0.6263, 0.3224

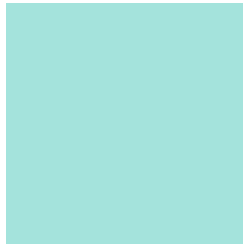


0.7162, 0.5967, 0.3061



# Previews

## White Background



This preview shows how the Yxy color 67.9980, 0.2763, 0.3373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

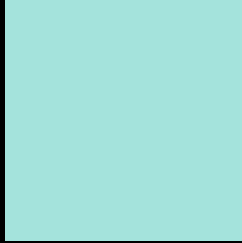
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9980, 0.2763, 0.3373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

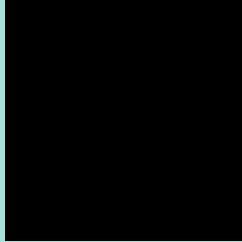
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

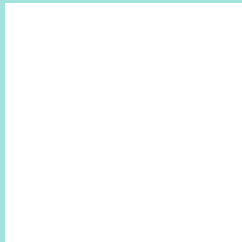
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.9980, 0.2763, 0.3373**

## Background



This preview shows how black text looks on a background with the Yxy color 67.9980, 0.2763, 0.3373.

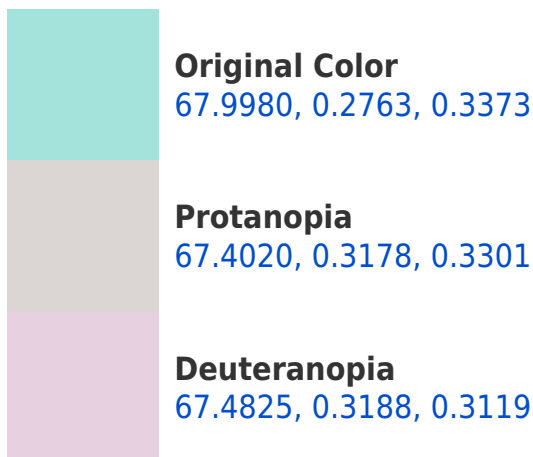


This preview shows how white text looks on a background with the Yxy color 67.9980, 0.2763, 0.3373.

# 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

68.1571, 0.2669, 0.3081

# Trichromacy



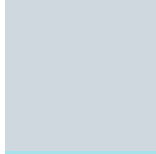
## Original Color

67.9980, 0.2763, 0.3373



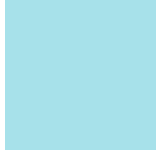
## Protanomaly

67.1912, 0.3012, 0.3324



## Deuteranomaly

67.1940, 0.3017, 0.3200



## Tritanomaly

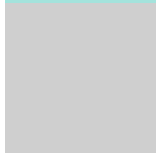
68.0064, 0.2701, 0.3183

# Monochromacy



## Original Color

67.9980, 0.2763, 0.3373



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

63.9230, 0.2976, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9980, 0.2763, 0.3373 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(164, 227, 220)` looks like.

```
.text, #text, p{  
    color:rgb(164, 227, 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(164, 227, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 227, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9980, 0.2763, 0.3373 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(164, 227, 220) }
```

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

```
.border{ border-color:rgb(164, 227, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 227, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 227, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 227, 220);  
box-shadow:4px 4px 4px 4px rgb(164, 227,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9980, 0.2763, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 227, 220) }
```

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

```
.background{ background-color: rgb(164,  
227, 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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