

# Converting Colors

$Yxy(70.1467, 0.2772, 0.3491)$

Have a look what the booklet for  
Yxy(70.1467, 0.2772, 0.3491)  
contains.

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# Color

**Yxy(70.0931, 0.2773, 0.3494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0E8D7
RGB	160, 232, 215
RGB Percent	63%, 91%, 84%
CMY	0.3723, 0.0902, 0.1569
CMYK	0.31, 0.00, 0.07, 0.09
HSL	166°, 61%, 77%
HSV	166°, 31%, 91%
XYZ	55.6291, 70.0931, 74.8877
YIQ	208.5340, -37.4550, -20.5510

# Conversions

## Conversions Part 2

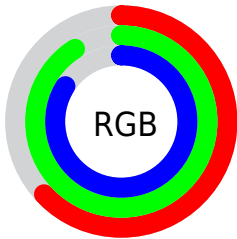
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 201, 232
Decimal	10545367
CIELab	87.04, -25.91, 1.12
CIELCh	87, 25.934, 177.529
Yxy	70.0931, 0.2773, 0.3494
Android (android.graphics.Color)	4288735447 (0xFFA0E8D7)
YUV	208.5340, 3.1877, -42.5643
Hunter-Lab	83.7216, -27.9079, 5.5712

# Details

The Yxy color **70.0931, 0.2773, 0.3494** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.4959, 0.3663, 0.3098**, and the grayscale version is **63.4486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **36.6529, 0.2692, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **67.6456, 0.2678, 0.3571**, and if you desaturate by 10%, it is **73.0019, 0.2880, 0.3422**.

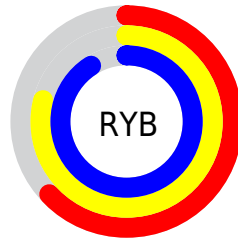
# Distribution



Red (63%)

Green (91%)

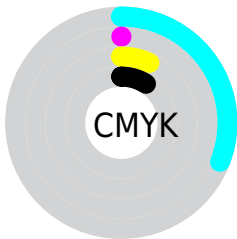
Blue (84%)



Red (63%)

Yellow (79%)

Blue (91%)

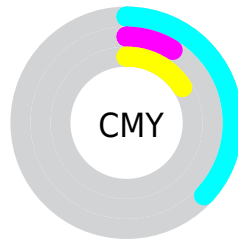


Cyan (31%)

Magenta (0%)

Yellow (7%)

Black (9%)



Cyan (37%)

Magenta (9%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0931, 0.2773, 0.3494 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 70.0931, 0.2773, 0.3494 by changing the saturation by 10% instead.





 70.0931, 0.2773,  
0.3494


 70.0931, 0.2773,  
0.3494


460.8768, 0.2938,  
0.3399

 51.6024, 0.2735,  
0.3516


 119.3415, 0.2830,  
0.3461

 36.6883, 0.2688,  
0.3543


 150.8681, 0.2853,  
0.3448

 24.9662, 0.2629,  
0.3578


187.5087, 0.2872,  
0.3437

 16.0519, 0.2550,  
0.3624

229.6478, 0.2888,  
0.3427

 9.5609, 0.2443,  
0.3687

277.6697, 0.2903,  
0.3419

 5.1088, 0.2288,  
0.3780


331.9590, 0.2916,

 2.3112, 0.2044,


0.3411


392.8999, 0.2928,  
0.3405


0.3927


 0.7796, 0.0654,  
0.4700


 0.0000, 0.0000,  
0.0000


 70.0931, 0.2773,  
0.3494


 70.0931, 0.2773,  
0.3494


 67.6456, 0.2678,  
0.3571


 73.0019, 0.2880,  
0.3422


 65.6259, 0.2597,  
0.3653

 76.3865, 0.2994,  
0.3356


 64.0095, 0.2533,  
0.3738


 80.2712, 0.3115,  
0.3296

 62.7658, 0.2488,  
0.3826


 84.6761, 0.3238,  
0.3242

 61.8598, 0.2463,  
0.3914


 85.4041, 0.3218,  
0.3188

 61.2495, 0.2458,  
0.4003

 85.7391, 0.3182,  
0.3136

 60.8910, 0.2467,  
0.4081

 86.0841, 0.3148,  
0.3083

 86.1891, 0.3138,  
0.3068

# Harmonies

## Analogous

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



70.0931, 0.3060, 0.3746



70.0931, 0.2773, 0.3494



70.0931, 0.2585, 0.3190

# Triad

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



70.0931, 0.2773, 0.3494



70.0931, 0.2861, 0.2779



70.0931, 0.3755, 0.3601

# Complementary

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



70.0931, 0.2773, 0.3494



45.4959, 0.3663, 0.3098

# 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.



70.0931, 0.3700, 0.3346



70.0931, 0.2773, 0.3494



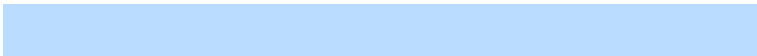
70.0931, 0.3170, 0.2887

# Square

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



70.0931, 0.2773, 0.3494



70.0931, 0.2634, 0.2792



70.0931, 0.3482, 0.3090



70.0931, 0.3633, 0.3793

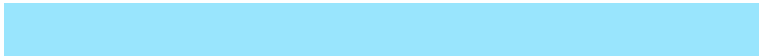


# Rectangle

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



70.0931, 0.2773, 0.3494



70.0931, 0.2536, 0.3010



70.0931, 0.3482, 0.3090



70.0931, 0.3757, 0.3520

# Sweetspot

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



70.0959, 0.2773, 0.3494



95.5599, 0.3018, 0.3344



69.7202, 0.3204, 0.4169



20.3105, 0.3000, 0.3353



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

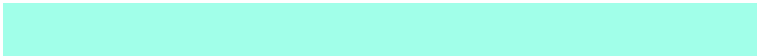


# Same Dimension

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



70.0959, 0.2773, 0.3494



84.9275, 0.2713, 0.3541



61.4050, 0.2657, 0.3071



16.2751, 0.3013, 0.3346



33.8272, 0.2463, 0.4067



2.5138, 0.2428, 0.3939



# Inverse Universe

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



45.4959, 0.3663, 0.3098



50.0439, 0.3817, 0.3058



51.5550, 0.3769, 0.3497



14.4235, 0.3255, 0.3235



9.6926, 0.5967, 0.3061

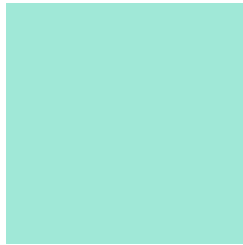


0.7305, 0.5556, 0.2834



# Previews

## White Background



This preview shows how the Yxy color 70.0931, 0.2773, 0.3494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

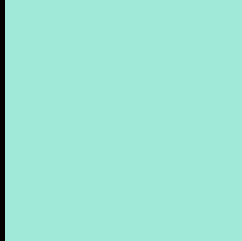
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0931, 0.2773, 0.3494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

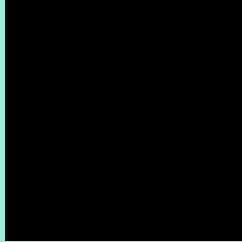
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

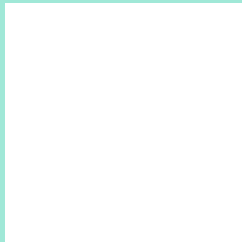
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0931, 0.2773, 0.3494**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0931, 0.2773, 0.3494.

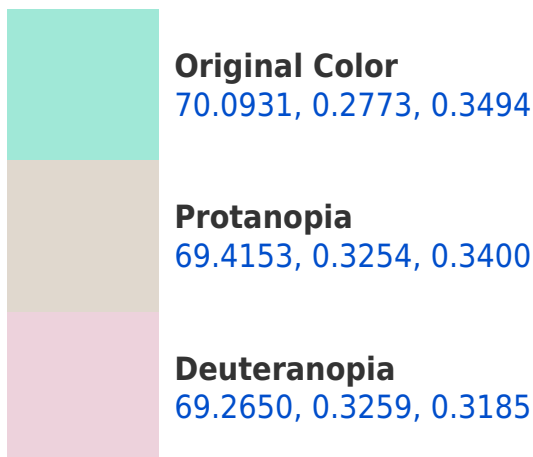


This preview shows how white text looks on a background with the Yxy color 70.0931, 0.2773, 0.3494.

# 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

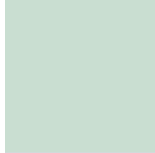
69.8075, 0.2641, 0.3071

# Trichromacy



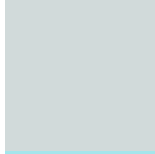
## Original Color

70.0931, 0.2773, 0.3494



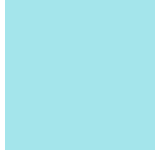
## Protanomaly

69.2635, 0.3064, 0.3439



## Deuteranomaly

68.7601, 0.3063, 0.3290



## Tritanomaly

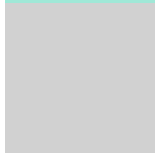
69.9293, 0.2684, 0.3218

# Monochromacy



## Original Color

70.0931, 0.2773, 0.3494



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.4052, 0.2983, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0931, 0.2773, 0.3494 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(160, 232, 215)` looks like.

```
.text, #text, p{  
    color:rgb(160, 232, 215)  
}
```

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(160, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 232, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0931, 0.2773, 0.3494 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(160, 232, 215) }
```

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

```
.border{ border-color:rgb(160, 232, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 232, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 232, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 232, 215);  
box-shadow:4px 4px 4px 4px rgb(160, 232,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0931, 0.2773, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 232, 215) }
```

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

```
.background{ background-color: rgb(160,  
232, 215) }
```

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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