

# Converting Colors

$Y_{xy}(69.2500, 0.2754, 0.3736)$

Have a look what the booklet for  
Yxy(69.2500, 0.2754, 0.3736)  
contains.

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# Color

**Yxy(69.2495, 0.2753, 0.3729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DEBC8
RGB	141, 235, 200
RGB Percent	55%, 92%, 78%
CMY	0.4469, 0.0784, 0.2156
CMYK	0.40, 0.00, 0.15, 0.08
HSL	158°, 70%, 74%
HSV	158°, 40%, 92%
XYZ	51.1247, 69.2495, 65.3311
YIQ	202.9040, -44.7890, -30.8130

# Conversions

## Conversions Part 2

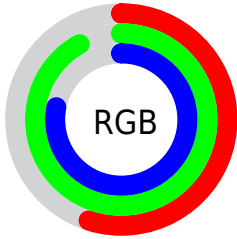
Format	Color
<a href="#">RYB</a>	<a href="#">141, 199, 235</a>
Decimal	<a href="#">9300936</a>
CIELab	<a href="#">86.63, -35.73, 8.26</a>
CIELCh	<a href="#">87, 36.670, 166.988</a>
Yxy	<a href="#">69.2495, 0.2753, 0.3729</a>
Android (android.graphics.Color)	<a href="#">4287491016 (0xFF8DEBC8)</a>
YUV	<a href="#">202.9040, -1.4317, -54.2898</a>
Hunter-Lab	<a href="#">83.2163, -35.9654, 11.7042</a>

# Details

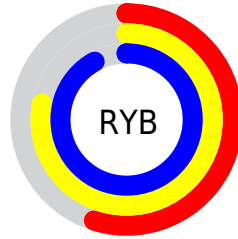
The Yxy color **69.2495, 0.2753, 0.3729** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.8567, 0.3754, 0.2898**, and the grayscale version is **59.6951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **36.2468, 0.2661, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **67.0082, 0.2683, 0.3862**, and if you desaturate by 10%, it is **71.9569, 0.2835, 0.3604**.

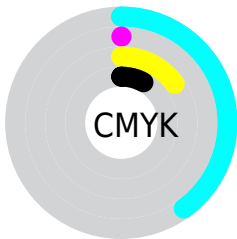
# Distribution



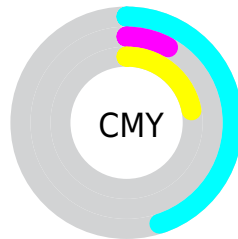
- Red (55%)
- Green (92%)
- Blue (78%)



- Red (55%)
- Yellow (78%)
- Blue (92%)



- Cyan (40%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)




- Cyan (45%)
- Magenta (8%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2495, 0.2753, 0.3729 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 69.2495, 0.2753, 0.3729 by changing the saturation by 10% instead.




 69.2495, 0.2753,  
0.3729

 69.2495, 0.2753,  
0.3729

457.9105, 0.2930,  
0.3518

 50.9149, 0.2711,  
0.3779

 118.1379, 0.2815,  
0.3654

 36.1409, 0.2660,  
0.3843


 149.4605, 0.2839,  
0.3625

 24.5430, 0.2593,  
0.3924


185.8812, 0.2860,  
0.3601

 15.7369, 0.2505,  
0.4035

227.7844, 0.2878,  
0.3580

 9.3382, 0.2382,  
0.4191

275.5545, 0.2893,  
0.3561

 4.9624, 0.2200,  
0.4428


329.5760, 0.2907,

 2.2252, 0.1905,


0.3545

0.4829

390.2332, 0.2919,  
0.3531

 0.7337, 0.0000,  
0.7680


 0.0000, 0.0000,  
0.0000

 69.2495, 0.2753,  
0.3729

 69.2495, 0.2753,  
0.3729


 67.0082, 0.2683,  
0.3862


 71.9569, 0.2835,  
0.3604


 65.1962, 0.2629,  
0.4002


 75.1477, 0.2927,  
0.3489


 63.7850, 0.2593,  
0.4147


 78.8486, 0.3025,  
0.3384


 62.7385, 0.2578,  
0.4293


 83.0819, 0.3127,  
0.3290


 62.0140, 0.2583,  
0.4437

 87.1920, 0.3207,  
0.3205

 61.5393, 0.2605,  
0.4578

 87.7353, 0.3152,  
0.3121

 61.5386, 0.2605,  
0.4578

 87.8951, 0.3136,  
0.3097

# Harmonies

## Analogous

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



69.2495, 0.3181, 0.4037



69.2495, 0.2753, 0.3729



69.2495, 0.2440, 0.3289

# Triad

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



69.2495, 0.2753, 0.3729



69.2495, 0.2622, 0.2568



69.2495, 0.4024, 0.3589

# Complementary

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



69.2495, 0.2753, 0.3729



39.8567, 0.3754, 0.2898

# 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.



69.2495, 0.3857, 0.3228



69.2495, 0.2753, 0.3729



69.2495, 0.3022, 0.2665

# Square

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



69.2495, 0.2753, 0.3729



69.2495, 0.2371, 0.2639



69.2495, 0.3480, 0.2900



69.2495, 0.3927, 0.3909



# Rectangle

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



69.2495, 0.2753, 0.3729



69.2495, 0.2329, 0.3009



69.2495, 0.3480, 0.2900



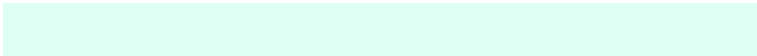
69.2495, 0.3997, 0.3469

# Sweetspot

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



69.2523, 0.2753, 0.3729



93.9394, 0.3005, 0.3405



70.6927, 0.3303, 0.4434



19.9778, 0.2992, 0.3419



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

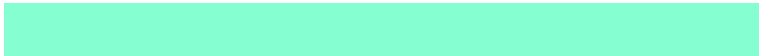


# Same Dimension

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



69.2523, 0.2753, 0.3729



81.0996, 0.2694, 0.3838



64.9940, 0.2556, 0.3155



17.0213, 0.3031, 0.3379



34.2755, 0.2599, 0.4556



2.7100, 0.2544, 0.4360



# Inverse Universe

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



39.8567, 0.3754, 0.2898



41.1463, 0.3950, 0.2821



42.0415, 0.4089, 0.3418



15.1468, 0.3234, 0.3203



10.2396, 0.5487, 0.2796

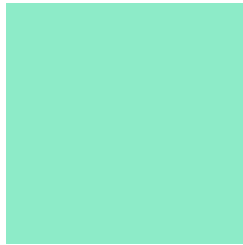


0.8221, 0.5109, 0.2588



# Previews

## White Background



This preview shows how the Yxy color 69.2495, 0.2753, 0.3729 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

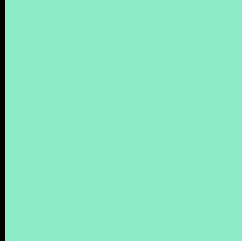
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.2495, 0.2753, 0.3729 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

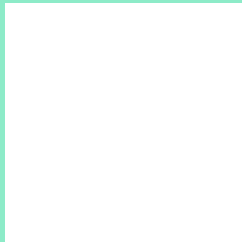
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.2495, 0.2753, 0.3729**

## Background



This preview shows how black text looks on a background with the Yxy color 69.2495, 0.2753, 0.3729.



This preview shows how white text looks on a background with the Yxy color 69.2495, 0.2753, 0.3729.

# 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

69.2495, 0.2753, 0.3729

### Protanopia

68.4873, 0.3384, 0.3568

### Deuteranopia

68.0932, 0.3387, 0.3312



## Tritanopia

68.8776, 0.2559, 0.3066

# Trichromacy



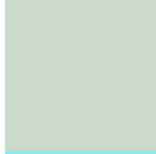
## Original Color

69.2495, 0.2753, 0.3729



## Protanomaly

67.7397, 0.3119, 0.3620



## Deuteranomaly

67.3398, 0.3120, 0.3451



## Tritanomaly

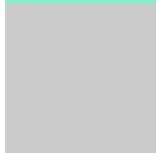
69.1609, 0.2628, 0.3301

# Monochromacy



## Original Color

69.2495, 0.2753, 0.3729



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

62.5684, 0.2964, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.2495, 0.2753, 0.3729 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(141, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(141, 235, 200)  
}
```

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(141, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 235, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 69.2495, 0.2753, 0.3729 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(141, 235, 200) }
```

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

```
.border{ border-color:rgb(141, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(141, 235,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.2495, 0.2753, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 235, 200) }
```

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

```
.background{ background-color: rgb(141,  
235, 200) }
```

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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