

# Converting Colors

$Yxy(69.5058, 0.2713, 0.3448)$

Have a look what the booklet for  
Yxy(69.5058, 0.2713, 0.3448)  
contains.

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# Color

**Yxy(69.6000, 0.2713, 0.3446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99E8DB
RGB	153, 232, 219
RGB Percent	60%, 91%, 86%
CMY	0.3996, 0.0903, 0.1411
CMYK	0.34, 0.00, 0.06, 0.09
HSL	170°, 63%, 76%
HSV	170°, 34%, 91%
XYZ	54.7954, 69.6000, 77.5779
YIQ	206.8970, -42.9110, -20.7910

# Conversions

## Conversions Part 2

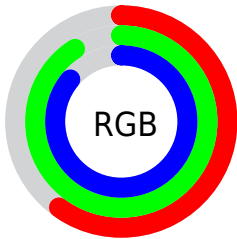
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 196, 232
Decimal	10086619
CIE <sub>Lab</sub>	86.80, -26.97, -1.39
CIE <sub>LCh</sub>	87, 27.001, 182.948
Yxy	69.6000, 0.2713, 0.3446
Android (android.graphics.Color)	4288276699 (0xFF99E8DB)
YUV	206.8970, 5.9668, -47.2677
Hunter-Lab	83.4266, -28.7562, 3.2652

# Details

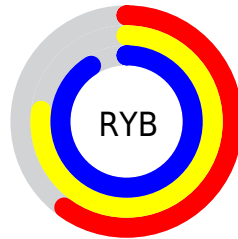
The Yxy color **69.6000, 0.2713, 0.3446** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.7240, 0.3794, 0.3143**, and the grayscale version is **62.3242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **36.3277, 0.2614, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **67.3603, 0.2615, 0.3500**, and if you desaturate by 10%, it is **72.2889, 0.2824, 0.3396**.

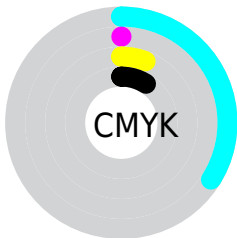
# Distribution



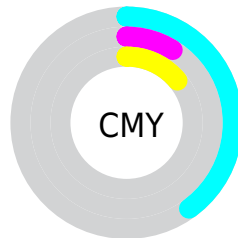
- Red (60%)
- Green (91%)
- Blue (86%)



- Red (60%)
- Yellow (77%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (40%)
- Magenta (9%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6000, 0.2713, 0.3446 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 69.6000, 0.2713, 0.3446 by changing the saturation by 10% instead.



 69.6000, 0.2713,  
0.3446

 69.6000, 0.2713,  
0.3446


459.1443, 0.2905,  
0.3374

 51.2005, 0.2669,  
0.3462


 118.6382, 0.2780,  
0.3421

 36.3682, 0.2615,  
0.3482


 150.0456, 0.2806,  
0.3412

 24.7187, 0.2546,  
0.3507


186.5578, 0.2828,  
0.3403

 15.8676, 0.2456,  
0.3540

228.5592, 0.2847,  
0.3396

 9.4305, 0.2333,  
0.3584

276.4341, 0.2864,  
0.3390

 5.0230, 0.2157,  
0.3646

330.5670, 0.2880,

 2.2608, 0.1883,

0.3384

0.3739

391.3423, 0.2893,  
0.3379

0.7528, 0.0332,  
0.4359

0.0000, 0.0000,  
0.0000

69.6000, 0.2713,  
0.3446

69.6000, 0.2713,  
0.3446

67.3603, 0.2615,  
0.3500

72.2889, 0.2824,  
0.3396

65.5357, 0.2533,  
0.3556

75.4419, 0.2945,  
0.3349

64.1008, 0.2469,  
0.3614

79.0838, 0.3074,  
0.3306

63.0241, 0.2425,  
0.3673

83.2349, 0.3207,  
0.3267

■ 62.2687, 0.2400,  
0.3732

■ 85.1431, 0.3245,  
0.3231

■ 61.7900, 0.2394,  
0.3791

■ 85.3697, 0.3221,  
0.3193

■ 61.5940, 0.2396,  
0.3826

■ 85.6011, 0.3196,  
0.3156

■ 85.8372, 0.3172,  
0.3120

■ 86.0782, 0.3148,  
0.3084

# Harmonies

## Analogous

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



69.6000, 0.2998, 0.3729



69.6000, 0.2713, 0.3446



69.6000, 0.2542, 0.3130

# Triad

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



69.6000, 0.2713, 0.3446



69.6000, 0.2903, 0.2770



69.6000, 0.3773, 0.3657

# Complementary

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



69.6000, 0.2713, 0.3446



42.7240, 0.3794, 0.3143

# 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.



69.6000, 0.3750, 0.3397



69.6000, 0.2713, 0.3446



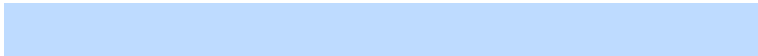
69.6000, 0.3233, 0.2903

# Square

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



69.6000, 0.2713, 0.3446



69.6000, 0.2647, 0.2759



69.6000, 0.3548, 0.3127



69.6000, 0.3614, 0.3838

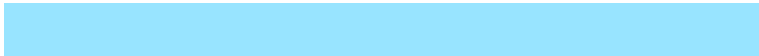


# Rectangle

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



69.6000, 0.2713, 0.3446



69.6000, 0.2509, 0.2954



69.6000, 0.3548, 0.3127



69.6000, 0.3786, 0.3575

# Sweetspot

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



69.6028, 0.2713, 0.3446



95.2134, 0.2996, 0.3331



68.1421, 0.3165, 0.4280



20.2464, 0.2978, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

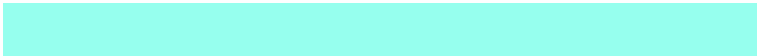


# Same Dimension

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



69.6028, 0.2713, 0.3446



84.2092, 0.2641, 0.3484



56.6011, 0.2604, 0.2964



16.2936, 0.3003, 0.3329



34.2154, 0.2394, 0.3817



2.5393, 0.2370, 0.3731



# Inverse Universe

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



42.7240, 0.3794, 0.3143



46.0300, 0.4006, 0.3112



51.8554, 0.3826, 0.3592



14.4064, 0.3267, 0.3252



9.6146, 0.6158, 0.3166

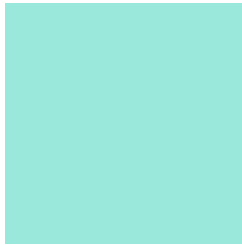


0.7222, 0.5786, 0.2961



# Previews

## White Background



This preview shows how the Yxy color 69.6000, 0.2713, 0.3446 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

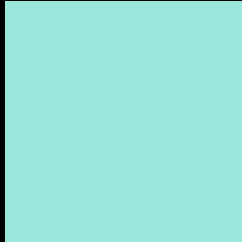
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6000, 0.2713, 0.3446 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

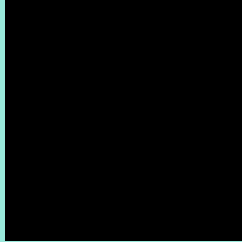
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

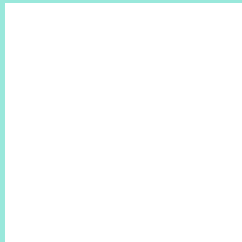
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.6000, 0.2713, 0.3446**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6000, 0.2713, 0.3446.

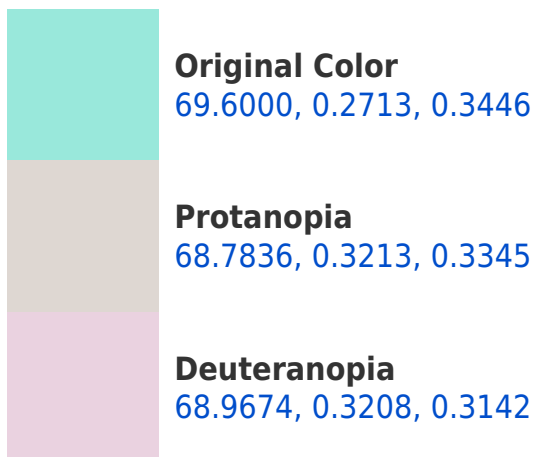


This preview shows how white text looks on a background with the Yxy color 69.6000, 0.2713, 0.3446.

# 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

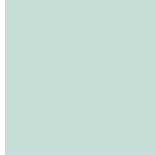
69.6142, 0.2605, 0.3080

# Trichromacy



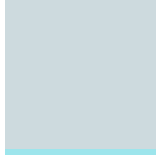
## Original Color

69.6000, 0.2713, 0.3446



## Protanomaly

68.3873, 0.3011, 0.3382



## Deuteranomaly

68.3959, 0.3009, 0.3245



## Tritanomaly

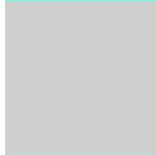
69.2629, 0.2641, 0.3206

# Monochromacy



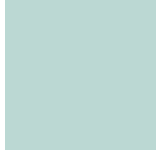
## Original Color

69.6000, 0.2713, 0.3446



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.3797, 0.2955, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6000, 0.2713, 0.3446 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(153, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(153, 232, 219)  
}
```

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(153, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 232, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6000, 0.2713, 0.3446 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(153, 232, 219) }
```

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

```
.border{ border-color:rgb(153, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(153, 232,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6000, 0.2713, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 232, 219) }
```

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

```
.background{ background-color: rgb(153,  
232, 219) }
```

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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