

# Converting Colors

$Yxy(69.7047, 0.2743, 0.3486)$

Have a look what the booklet for  
Yxy(69.7047, 0.2743, 0.3486)  
contains.

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# Color

**Yxy(69.6397, 0.2739, 0.3483)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BE8D8
RGB	155, 232, 216
RGB Percent	61%, 91%, 85%
CMY	0.3923, 0.0902, 0.1528
CMYK	0.33, 0.00, 0.07, 0.09
HSL	168°, 63%, 76%
HSV	168°, 33%, 91%
XYZ	54.7640, 69.6397, 75.5380
YIQ	207.1530, -40.7560, -21.3000

# Conversions

## Conversions Part 2

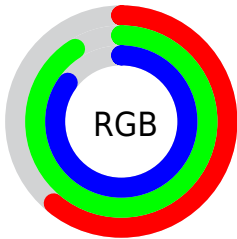
Format	Color
<a href="#">RYB</a>	<a href="#">155, 198, 232</a>
Decimal	<a href="#">10217688</a>
CIELab	<a href="#">86.82, -27.13, 0.22</a>
CIElCh	<a href="#">87, 27.130, 179.526</a>
Yxy	<a href="#">69.6397, 0.2739, 0.3483</a>
Android (android.graphics.Color)	<a href="#">4288407768 (0xFF9BE8D8)</a>
YUV	<a href="#">207.1530, 4.3616, -45.7382</a>
Hunter-Lab	<a href="#">83.4504, -28.8982, 4.7469</a>

# Details

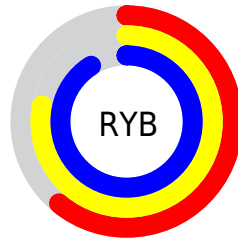
The Yxy color **69.6397, 0.2739, 0.3483** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.5219, 0.3739, 0.3109**, and the grayscale version is **62.4874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **36.3332, 0.2646, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **67.3188, 0.2644, 0.3551**, and if you desaturate by 10%, it is **72.4144, 0.2846, 0.3419**.

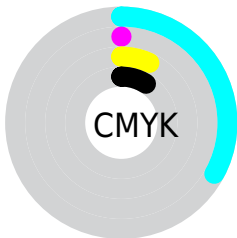
# Distribution



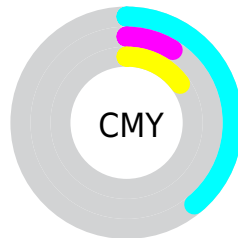
- Red (61%)
- Green (91%)
- Blue (85%)



- Red (61%)
- Yellow (78%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (39%)
- Magenta (9%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6397, 0.2739, 0.3483 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 69.6397, 0.2739, 0.3483 by changing the saturation by 10% instead.




 69.6397, 0.2739,  
0.3483


 69.6397, 0.2739,  
0.3483


459.2839, 0.2920,  
0.3393

 51.2329, 0.2698,  
0.3504


 118.6948, 0.2802,  
0.3452

 36.3940, 0.2646,  
0.3529


 150.1118, 0.2826,  
0.3440

 24.7386, 0.2581,  
0.3562


186.6344, 0.2847,  
0.3429

 15.8824, 0.2496,  
0.3604

228.6469, 0.2865,  
0.3420

 9.4410, 0.2379,  
0.3663

276.5337, 0.2881,  
0.3412

 5.0299, 0.2210,  
0.3747

330.6792, 0.2896,

 2.2648, 0.1947,

0.3405

0.3879

391.4678, 0.2908,  
0.3399

0.7550, 0.0342,  
0.4670

0.0000, 0.0000,  
0.0000

69.6397, 0.2739,  
0.3483

69.6397, 0.2739,  
0.3483

67.3188, 0.2644,  
0.3551

72.4144, 0.2846,  
0.3419

65.4180, 0.2564,  
0.3623

75.6580, 0.2963,  
0.3360

63.9120, 0.2502,  
0.3698

79.3949, 0.3087,  
0.3306

62.7694, 0.2460,  
0.3774

83.6455, 0.3214,  
0.3258


 61.9540, 0.2437,  
0.3850


 85.2762, 0.3232,  
0.3211


 61.4218, 0.2433,  
0.3927

 85.5662, 0.3201,  
0.3165

 61.1754, 0.2438,  
0.3978

 85.8638, 0.3171,  
0.3118

 86.1692, 0.3141,  
0.3073

 86.1996, 0.3138,  
0.3068

# Harmonies

## Analogous

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



69.6397, 0.3034, 0.3756



69.6397, 0.2739, 0.3483



69.6397, 0.2552, 0.3164

# Triad

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



69.6397, 0.2739, 0.3483



69.6397, 0.2868, 0.2760



69.6397, 0.3783, 0.3631

# Complementary

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



69.6397, 0.2739, 0.3483



43.5219, 0.3739, 0.3109

# 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.



69.6397, 0.3738, 0.3366



69.6397, 0.2739, 0.3483



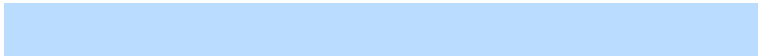
69.6397, 0.3195, 0.2881

# Square

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



69.6397, 0.2739, 0.3483



69.6397, 0.2623, 0.2764



69.6397, 0.3518, 0.3097



69.6397, 0.3642, 0.3826

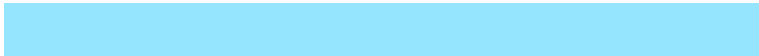


# Rectangle

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



69.6397, 0.2739, 0.3483



69.6397, 0.2507, 0.2979



69.6397, 0.3518, 0.3097



69.6397, 0.3789, 0.3547

# Sweetspot

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



69.6425, 0.2739, 0.3483



95.1444, 0.3002, 0.3342



68.8153, 0.3190, 0.4246



20.2296, 0.2984, 0.3350



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.



69.6425, 0.2739, 0.3483



84.2237, 0.2671, 0.3530



58.9714, 0.2622, 0.3021



16.2825, 0.3009, 0.3339



33.9773, 0.2435, 0.3965



2.5237, 0.2404, 0.3855



# Inverse Universe

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



43.5219, 0.3739, 0.3109



47.1046, 0.3929, 0.3070



50.8819, 0.3819, 0.3541



14.4167, 0.3260, 0.3241



9.6580, 0.6049, 0.3106

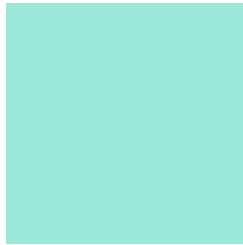


0.7270, 0.5649, 0.2885



# Previews

## White Background



This preview shows how the Yxy color 69.6397, 0.2739, 0.3483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

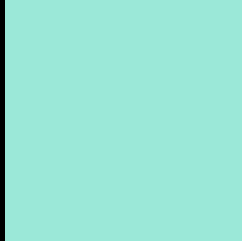
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6397, 0.2739, 0.3483 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

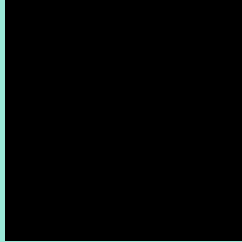
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

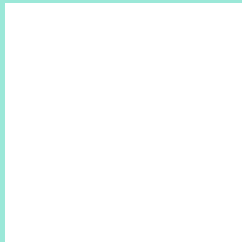
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.6397, 0.2739, 0.3483**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6397, 0.2739, 0.3483.

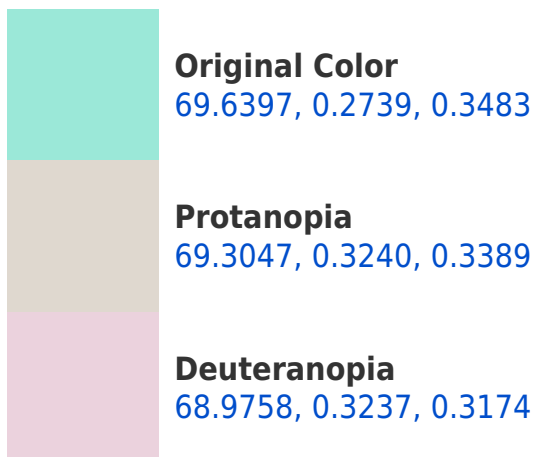


This preview shows how white text looks on a background with the Yxy color 69.6397, 0.2739, 0.3483.

# 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

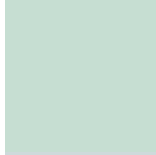
69.8220, 0.2616, 0.3081

# Trichromacy



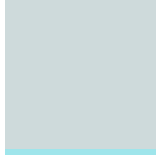
## Original Color

69.6397, 0.2739, 0.3483



## Protanomaly

68.9015, 0.3037, 0.3428



## Deuteranomaly

68.3791, 0.3035, 0.3278



## Tritanomaly

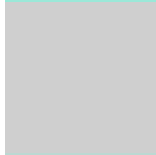
69.4077, 0.2657, 0.3218

# Monochromacy



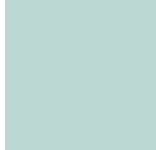
## Original Color

69.6397, 0.2739, 0.3483



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.4562, 0.2968, 0.3361

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6397, 0.2739, 0.3483 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(155, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(155, 232, 216)  
}
```

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(155, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 232, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6397, 0.2739, 0.3483 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(155, 232, 216) }
```

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

```
.border{ border-color:rgb(155, 232, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 232, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(155, 232,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6397, 0.2739, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 232, 216) }
```

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

```
.background{ background-color: rgb(155,  
232, 216) }
```

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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