

# Converting Colors

$Yxy(69.9096, 0.2814, 0.3578)$

Have a look what the booklet for  
Yxy(69.9096, 0.2814, 0.3578)  
contains.

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# Color

**Yxy(69.8444, 0.2817, 0.3581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1E8D0
RGB	161, 232, 208
RGB Percent	63%, 91%, 82%
CMY	0.3685, 0.0902, 0.1843
CMYK	0.31, 0.00, 0.10, 0.09
HSL	160°, 61%, 77%
HSV	160°, 31%, 91%
XYZ	54.9432, 69.8444, 70.2540
YIQ	208.0350, -34.6120, -22.5160

# Conversions

## Conversions Part 2

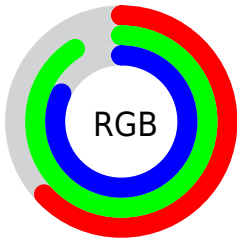
Format	Color
<b>RYB</b>	161, 204, 232
Decimal	10610896
CIELab	86.92, -27.11, 4.63
CIELCh	87, 27.502, 170.315
Yxy	69.8444, 0.2817, 0.3581
Android (android.graphics.Color)	4288800976 (0xFFA1E8D0)
YUV	208.0350, -0.0173, -41.2497
Hunter-Lab	83.5730, -28.9018, 8.6601

# Details

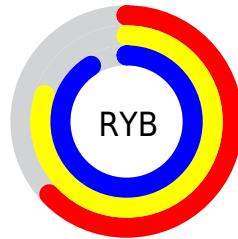
The Yxy color **69.8444, 0.2817, 0.3581** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.1611, 0.3584, 0.3019**, and the grayscale version is **63.1225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **36.5096, 0.2739, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **67.2790, 0.2732, 0.3694**, and if you desaturate by 10%, it is **72.8818, 0.2912, 0.3476**.

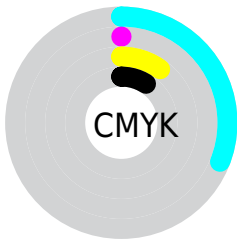
# Distribution



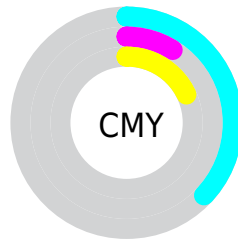
- Red (63%)
- Green (91%)
- Blue (82%)



- Red (63%)
- Yellow (80%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)




- Cyan (37%)
- Magenta (9%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8444, 0.2817, 0.3581 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 69.8444, 0.2817, 0.3581 by changing the saturation by 10% instead.





 69.8444, 0.2817,  
0.3581

 69.8444, 0.2817,  
0.3581


460.0035, 0.2963,  
0.3443

 51.3997, 0.2783,  
0.3613


 118.9868, 0.2868,  
0.3532

 36.5268, 0.2741,  
0.3654


 150.4533, 0.2888,  
0.3514

 24.8413, 0.2688,  
0.3706


187.0293, 0.2905,  
0.3498

 15.9589, 0.2617,  
0.3776

229.0989, 0.2919,  
0.3484

 9.4951, 0.2519,  
0.3873

277.0468, 0.2932,  
0.3472

 5.0655, 0.2375,  
0.4019


331.2573, 0.2943,

 2.2857, 0.2144,


0.3461


0.4261


392.1147, 0.2954,  
0.3451


 0.7661, 0.0494,  
0.5704


 0.0000, 0.0000,  
0.0000


 69.8444, 0.2817,  
0.3581


 69.8444, 0.2817,  
0.3581


 67.2790, 0.2732,  
0.3694


 72.8818, 0.2912,  
0.3476


 65.1520, 0.2660,  
0.3815


 76.4058, 0.3014,  
0.3381


 63.4388, 0.2604,  
0.3941


 80.4408, 0.3121,  
0.3295


 62.1089, 0.2566,  
0.4071


 85.0071, 0.3229,  
0.3218

 61.1270, 0.2549,  
0.4202

 85.7030, 0.3187,  
0.3142

 60.4516, 0.2552,  
0.4333

 86.1932, 0.3138,  
0.3068

 60.0302, 0.2570,  
0.4453

# Harmonies

## Analogous

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



69.8444, 0.3136, 0.3821



69.8444, 0.2817, 0.3581



69.8444, 0.2588, 0.3259

# Triad

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



69.8444, 0.2817, 0.3581



69.8444, 0.2776, 0.2740



69.8444, 0.3798, 0.3557

# Complementary

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



69.8444, 0.2817, 0.3581



46.1611, 0.3584, 0.3019

# 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.



69.8444, 0.3694, 0.3280



69.8444, 0.2817, 0.3581



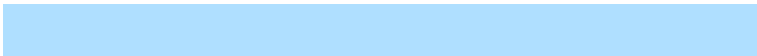
69.8444, 0.3089, 0.2826

# Square

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



69.8444, 0.2817, 0.3581



69.8444, 0.2566, 0.2786



69.8444, 0.3429, 0.3019



69.8444, 0.3710, 0.3784



# Rectangle

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



69.8444, 0.2817, 0.3581



69.8444, 0.2512, 0.3056



69.8444, 0.3429, 0.3019



69.8444, 0.3784, 0.3466

# Sweetspot

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



69.8473, 0.2817, 0.3581



95.4142, 0.3031, 0.3367



70.7104, 0.3252, 0.4143



20.2745, 0.3015, 0.3380



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

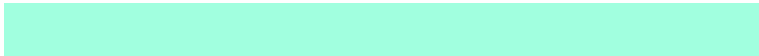


# Same Dimension

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



69.8473, 0.2817, 0.3581



84.3929, 0.2759, 0.3655



65.3070, 0.2673, 0.3162



16.2492, 0.3026, 0.3371



33.3509, 0.2565, 0.4432



2.4817, 0.2512, 0.4245



# Inverse Universe

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



46.1611, 0.3584, 0.3019



50.4585, 0.3723, 0.2959



49.1124, 0.3782, 0.3414



14.4480, 0.3239, 0.3211



9.8546, 0.5616, 0.2867

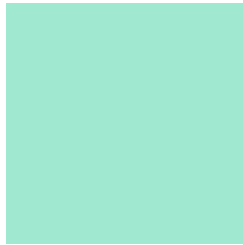


0.7451, 0.5206, 0.2642



# Previews

## White Background



This preview shows how the Yxy color 69.8444, 0.2817, 0.3581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

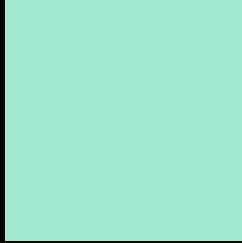
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8444, 0.2817, 0.3581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

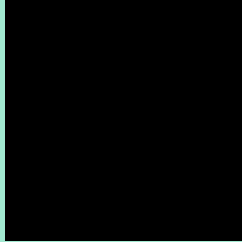
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

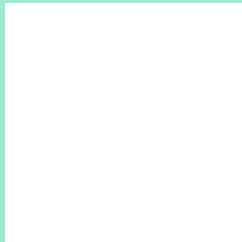
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8444, 0.2817, 0.3581**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8444, 0.2817, 0.3581.

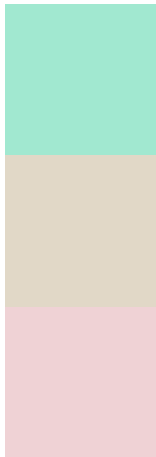


This preview shows how white text looks on a background with the Yxy color 69.8444, 0.2817, 0.3581.

# 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

69.8444, 0.2817, 0.3581

### Protanopia

69.2428, 0.3311, 0.3478

### Deuteranopia

69.2480, 0.3325, 0.3259



## Tritanopia

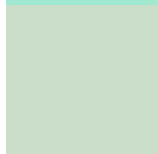
69.9658, 0.2657, 0.3082

# Trichromacy



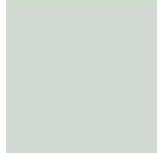
## Original Color

69.8444, 0.2817, 0.3581



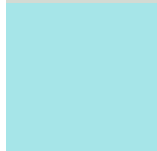
## Protanomaly

69.0634, 0.3116, 0.3520



## Deuteranomaly

68.6948, 0.3123, 0.3369



## Tritanomaly

69.9718, 0.2711, 0.3254

# Monochromacy



## Original Color

69.8444, 0.2817, 0.3581



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

65.2561, 0.3002, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8444, 0.2817, 0.3581 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(161, 232, 208)` looks like.

```
.text, #text, p{  
    color:rgb(161, 232, 208)  
}
```

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(161, 232, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 232, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8444, 0.2817, 0.3581 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(161, 232, 208) }
```

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

```
.border{ border-color:rgb(161, 232, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 232, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 232, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 232, 208);  
box-shadow:4px 4px 4px 4px rgb(161, 232,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8444, 0.2817, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 232, 208) }
```

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

```
.background{ background-color: rgb(161,  
232, 208) }
```

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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