

# Converting Colors

$Yxy(69.4017, 0.2822, 0.3405)$

Have a look what the booklet for  
Yxy(69.4017, 0.2822, 0.3405)  
contains.

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# Color

**Yxy(69.3194, 0.2822, 0.3408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACE4DA
RGB	172, 228, 218
RGB Percent	67%, 89%, 85%
CMY	0.3258, 0.1058, 0.1451
CMYK	0.25, 0.00, 0.04, 0.11
HSL	169°, 51%, 78%
HSV	169°, 25%, 89%
XYZ	57.4000, 69.3194, 76.6826
YIQ	210.1160, -30.1660, -14.9820

# Conversions

## Conversions Part 2

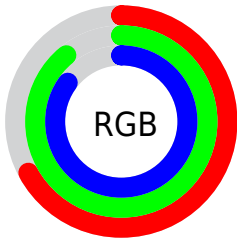
Format	Color
<a href="#">RYB</a>	<a href="#">172, 203, 228</a>
Decimal	<a href="#">11330778</a>
CIELab	<a href="#">86.66, -19.88, -0.94</a>
CIELCh	<a href="#">87, 19.900, 182.700</a>
Yxy	<a href="#">69.3194, 0.2822, 0.3408</a>
Android (android.graphics.Color)	<a href="#">4289520858</a> ( <a href="#">0xFFACE4DA</a> )
YUV	<a href="#">210.1160, 3.8868, -33.4277</a>
Hunter-Lab	<a href="#">83.2583, -22.6402, 3.6735</a>

# Details

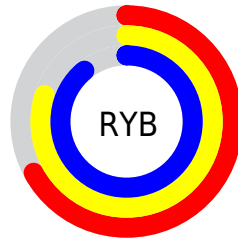
The Yxy color **69.3194, 0.2822, 0.3408** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3523, 0.3551, 0.3176**, and the grayscale version is **64.5109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **36.0009, 0.2748, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **66.7504, 0.2713, 0.3463**, and if you desaturate by 10%, it is **72.3419, 0.2941, 0.3357**.

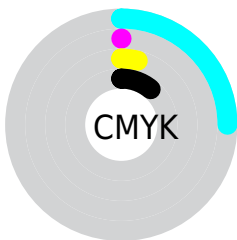
# Distribution



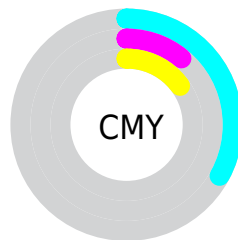
- Red (67%)
- Green (89%)
- Blue (85%)



- Red (67%)
- Yellow (80%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (33%)
- Magenta (11%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3194, 0.2822, 0.3408 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 69.3194, 0.2822, 0.3408 by changing the saturation by 10% instead.



 69.3194, 0.2822,  
0.3408

 69.3194, 0.2822,  
0.3408


458.1567, 0.2964,  
0.3354

 50.9719, 0.2789,  
0.3420


 118.2377, 0.2871,  
0.3389

 36.1862, 0.2749,  
0.3436


149.5772, 0.2891,  
0.3382

 24.5781, 0.2698,  
0.3455

186.0162, 0.2907,  
0.3375

 15.7630, 0.2630,  
0.3481

227.9390, 0.2921,  
0.3370

 9.3566, 0.2538,  
0.3515

275.7301, 0.2934,  
0.3365

 4.9745, 0.2404,  
0.3565


329.7738, 0.2945,

 2.2323, 0.2192,


0.3361


390.4545, 0.2955,  
0.3357

0.3641


 0.7375, 0.1184,  
0.4048


 0.0000, 0.0000,  
0.0000


 69.3194, 0.2822,  
0.3408


 69.3194, 0.2822,  
0.3408


 66.7504, 0.2713,  
0.3463

 72.3419, 0.2941,  
0.3357


 64.6037, 0.2618,  
0.3522

 75.8304, 0.3067,  
0.3310


 62.8575, 0.2538,  
0.3583

 79.8074, 0.3198,  
0.3268


 61.4847, 0.2476,  
0.3647

 82.7146, 0.3274,  
0.3228

 60.4547, 0.2434,  
0.3712

 82.9519, 0.3247,  
0.3189

 59.7318, 0.2411,  
0.3777


 83.1945, 0.3220,  
0.3149

 59.2728, 0.2407,  
0.3841

 83.4427, 0.3194,  
0.3110

 59.0972, 0.2410,  
0.3876

 83.6963, 0.3168,  
0.3071

 83.9554, 0.3142,  
0.3032

# Harmonies

## Analogous

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



69.3194, 0.3036, 0.3610



69.3194, 0.2822, 0.3408



69.3194, 0.2691, 0.3179

# Triad

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



69.3194, 0.2822, 0.3408



69.3194, 0.2961, 0.2899



69.3194, 0.3603, 0.3566

# Complementary

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



69.3194, 0.2822, 0.3408



49.3523, 0.3551, 0.3176

# 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.



69.3194, 0.3584, 0.3373



69.3194, 0.2822, 0.3408



69.3194, 0.3205, 0.2998

# Square

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



69.3194, 0.2822, 0.3408



69.3194, 0.2769, 0.2894



69.3194, 0.3436, 0.3169



69.3194, 0.3490, 0.3695



# Rectangle

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



69.3194, 0.2822, 0.3408



69.3194, 0.2665, 0.3046



69.3194, 0.3436, 0.3169



69.3194, 0.3612, 0.3506

# Sweetspot

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



69.3222, 0.2822, 0.3408



96.5667, 0.3036, 0.3321



68.4446, 0.3165, 0.3972



20.6090, 0.3028, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

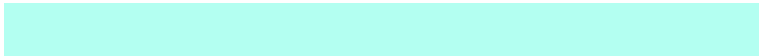


# Same Dimension

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



69.3222, 0.2822, 0.3408



87.4150, 0.2760, 0.3438



60.5866, 0.2748, 0.3076



16.2899, 0.3005, 0.3332



34.1345, 0.2407, 0.3866



2.5340, 0.2381, 0.3772



# Inverse Universe

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



49.3523, 0.3551, 0.3176



57.1133, 0.3683, 0.3149



56.1675, 0.3595, 0.3494



14.4098, 0.3264, 0.3248



9.6279, 0.6124, 0.3147

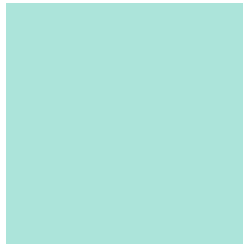


0.7238, 0.5739, 0.2935



# Previews

## White Background



This preview shows how the Yxy color 69.3194, 0.2822, 0.3408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

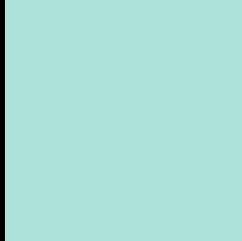
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3194, 0.2822, 0.3408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

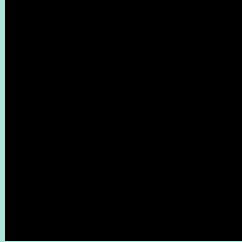
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

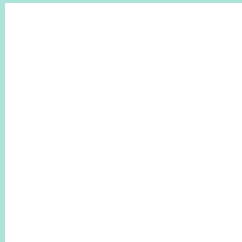
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.3194, 0.2822, 0.3408**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3194, 0.2822, 0.3408.

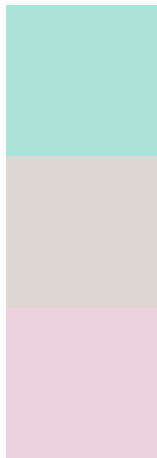


This preview shows how white text looks on a background with the Yxy color 69.3194, 0.2822, 0.3408.

# 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

69.3194, 0.2822, 0.3408

### Protanopia

68.6762, 0.3198, 0.3334

### Deuteranopia

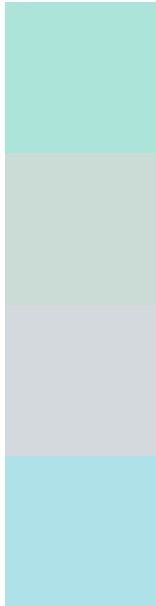
69.0293, 0.3230, 0.3163



## Tritanopia

69.0692, 0.2715, 0.3083

# Trichromacy



**Original Color**

69.3194, 0.2822, 0.3408

**Protanomaly**

68.7379, 0.3046, 0.3358

**Deuteranomaly**

68.8432, 0.3065, 0.3245

**Tritanomaly**

68.8476, 0.2753, 0.3196

# Monochromacy



**Original Color**

69.3194, 0.2822, 0.3408

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

66.1656, 0.3004, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3194, 0.2822, 0.3408 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(172, 228, 218)` looks like.

```
.text, #text, p{  
    color:rgb(172, 228, 218)  
}
```

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(172, 228, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 228, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3194, 0.2822, 0.3408 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(172, 228, 218) }
```

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

```
.border{ border-color:rgb(172, 228, 218) }
```

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

Here you see how a box with a 4 pixel rgb(172, 228, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 228, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 228, 218);  
box-shadow:4px 4px 4px 4px rgb(172, 228,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3194, 0.2822, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 228, 218) }
```

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

```
.background{ background-color: rgb(172,  
228, 218) }
```

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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