

# Converting Colors

$Yxy(66.9966, 0.2811, 0.3515)$

Have a look what the booklet for  
Yxy(66.9966, 0.2811, 0.3515)  
contains.

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# Color

**Yxy(67.0693, 0.2812, 0.3522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1E3D0
RGB	161, 227, 208
RGB Percent	63%, 89%, 82%
CMY	0.3688, 0.1098, 0.1842
CMYK	0.29, 0.00, 0.08, 0.11
HSL	163°, 54%, 76%
HSV	163°, 29%, 89%
XYZ	53.5488, 67.0693, 69.8115
YIQ	205.1000, -33.2370, -19.9010

# Conversions

## Conversions Part 2

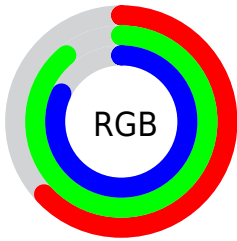
Format	Color
<a href="#">RYB</a>	<a href="#">161, 200, 227</a>
Decimal	<a href="#">10609616</a>
CIELab	<a href="#">85.54, -24.71, 2.61</a>
CIElCh	<a href="#">86, 24.846, 173.974</a>
Yxy	<a href="#">67.0693, 0.2812, 0.3522</a>
Android (android.graphics.Color)	<a href="#">4288799696 (0xFFA1E3D0)</a>
YUV	<a href="#">205.1000, 1.4297, -38.6757</a>
Hunter-Lab	<a href="#">81.8958, -26.6029, 6.7858</a>

# Details

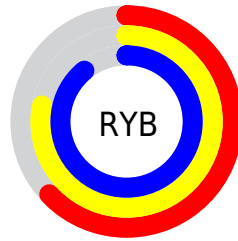
The Yxy color **67.0693, 0.2812, 0.3522** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.1036, 0.3586, 0.3072**, and the grayscale version is **61.1217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **34.5847, 0.2731, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **64.6097, 0.2720, 0.3616**, and if you desaturate by 10%, it is **69.9757, 0.2914, 0.3435**.

# Distribution



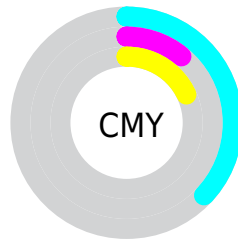
- Red (63%)
- Green (89%)
- Blue (82%)



- Red (63%)
- Yellow (78%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)




- Cyan (37%)
- Magenta (11%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0693, 0.2812, 0.3522 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 67.0693, 0.2812, 0.3522 by changing the saturation by 10% instead.




 67.0693, 0.2812,  
0.3522


 67.0693, 0.2812,  
0.3522


450.1914, 0.2960,  
0.3412

 49.1409, 0.2777,  
0.3548


 115.0197, 0.2864,  
0.3483

 34.7313, 0.2734,  
0.3580

 145.8105, 0.2884,  
0.3468

 23.4560, 0.2679,  
0.3622


181.6577, 0.2901,  
0.3456

 14.9306, 0.2607,  
0.3677

222.9455, 0.2916,  
0.3444

 8.7707, 0.2506,  
0.3755

270.0584, 0.2929,  
0.3435

 4.5919, 0.2357,  
0.3872


323.3807, 0.2941,

 2.0099, 0.2116,

0.3426


383.2969, 0.2951,  
0.3419


0.4065


 0.6132, 0.0000,  
0.5582


 0.0000, 0.0000,  
0.0000


 67.0693, 0.2812,  
0.3522


 67.0693, 0.2812,  
0.3522


 64.6097, 0.2720,  
0.3616

 69.9757, 0.2914,  
0.3435


 62.5653, 0.2641,  
0.3716


 73.3423, 0.3024,  
0.3356


 60.9134, 0.2578,  
0.3821

 77.1920, 0.3138,  
0.3284


 59.6255, 0.2533,  
0.3929


 81.5436, 0.3253,  
0.3219

 58.6693, 0.2508,  
0.4039


 82.5335, 0.3233,  
0.3156


 58.0065, 0.2504,  
0.4148

 82.9299, 0.3190,  
0.3093

 57.5773, 0.2517,  
0.4256

 83.3403, 0.3148,  
0.3031

 57.5430, 0.2518,  
0.4266

 83.4233, 0.3140,  
0.3019

# Harmonies

## Analogous

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



67.0693, 0.3099, 0.3754



67.0693, 0.2812, 0.3522



67.0693, 0.2615, 0.3228

# Triad

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



67.0693, 0.2812, 0.3522



67.0693, 0.2837, 0.2787



67.0693, 0.3740, 0.3566

# Complementary

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



67.0693, 0.2812, 0.3522



45.1036, 0.3586, 0.3072

# 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.



67.0693, 0.3666, 0.3314



67.0693, 0.2812, 0.3522



67.0693, 0.3132, 0.2880

# Square

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



67.0693, 0.2812, 0.3522



67.0693, 0.2629, 0.2816



67.0693, 0.3439, 0.3068



67.0693, 0.3641, 0.3763



# Rectangle

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



67.0693, 0.2812, 0.3522



67.0693, 0.2555, 0.3047



67.0693, 0.3439, 0.3068



67.0693, 0.3735, 0.3485

# Sweetspot

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



67.0720, 0.2812, 0.3522



95.4865, 0.3024, 0.3355



67.3124, 0.3224, 0.4101



20.2923, 0.3008, 0.3367



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

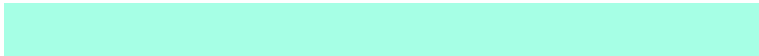


# Same Dimension

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



67.0720, 0.2812, 0.3522



85.2763, 0.2754, 0.3579



61.1124, 0.2690, 0.3128



16.2620, 0.3020, 0.3358



33.5772, 0.2514, 0.4249



2.4971, 0.2470, 0.4091



# Inverse Universe

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



45.1036, 0.3586, 0.3072



52.2212, 0.3722, 0.3023



49.2440, 0.3728, 0.3445



14.4358, 0.3247, 0.3223



9.7660, 0.5800, 0.2969

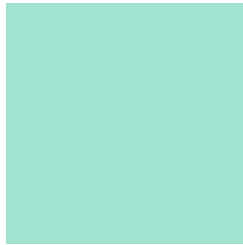


0.7373, 0.5383, 0.2739



# Previews

## White Background



This preview shows how the Yxy color 67.0693, 0.2812, 0.3522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

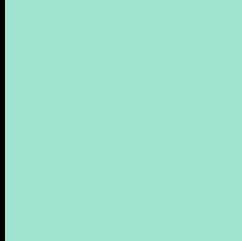
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0693, 0.2812, 0.3522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

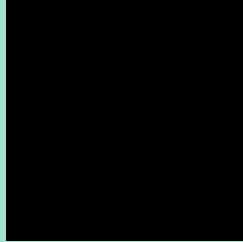
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

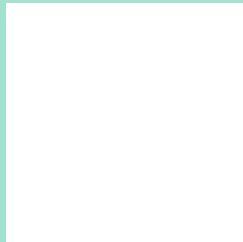
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.0693, 0.2812, 0.3522**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0693, 0.2812, 0.3522.

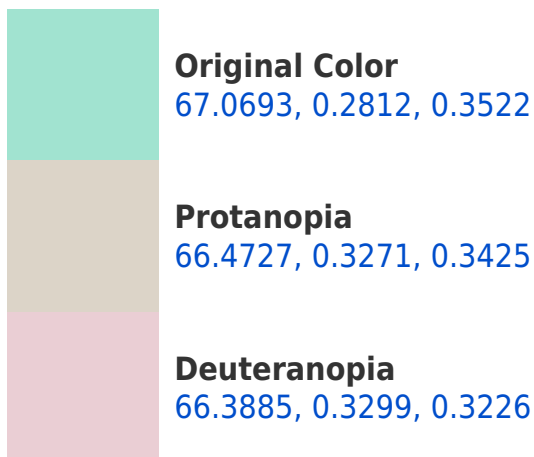


This preview shows how white text looks on a background with the Yxy color 67.0693, 0.2812, 0.3522.

# 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

66.8587, 0.2671, 0.3079

# Trichromacy



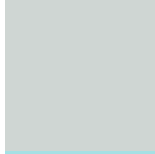
## Original Color

67.0693, 0.2812, 0.3522



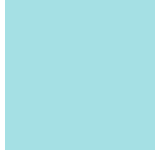
## Protanomaly

66.0796, 0.3091, 0.3453



## Deuteranomaly

66.0617, 0.3096, 0.3324



## Tritanomaly

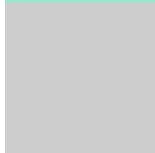
66.9121, 0.2721, 0.3241

# Monochromacy



## Original Color

67.0693, 0.2812, 0.3522



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

62.8635, 0.3001, 0.3373

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0693, 0.2812, 0.3522 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, 227, 208)` looks like.

```
.text, #text, p{  
    color:rgb(161, 227, 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, 227, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 227, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0693, 0.2812, 0.3522 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, 227, 208) }
```

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

```
.border{ border-color:rgb(161, 227, 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, 227, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 227, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 227, 208);  
box-shadow:4px 4px 4px 4px rgb(161, 227,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0693, 0.2812, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 227, 208) }
```

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

```
.background{ background-color: rgb(161,  
227, 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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