

# Converting Colors

$Yxy(66.8248, 0.2778, 0.3435)$

Have a look what the booklet for  
Yxy(66.8248, 0.2778, 0.3435)  
contains.

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# Color

**Yxy(66.8248, 0.2778, 0.3435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1E2D6
RGB	161, 226, 214
RGB Percent	63%, 89%, 84%
CMY	0.3683, 0.1138, 0.1608
CMYK	0.29, 0.00, 0.05, 0.11
HSL	169°, 53%, 76%
HSV	169°, 29%, 89%
XYZ	54.0435, 66.8248, 73.6726
YIQ	205.1970, -34.8880, -17.5120

# Conversions

## Conversions Part 2

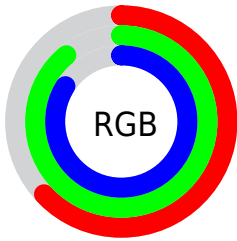
Format	Color
<a href="#">RYB</a>	<a href="#">161, 197, 226</a>
Decimal	<a href="#">10609366</a>
CIELab	<a href="#">85.42, -22.91, -0.73</a>
CIELCh	<a href="#">85, 22.920, 181.819</a>
Yxy	<a href="#">66.8248, 0.2778, 0.3435</a>
Android (android.graphics.Color)	<a href="#">4288799446</a> ( <a href="#">0xFFA1E2D6</a> )
YUV	<a href="#">205.1970, 4.3399, -38.7608</a>
Hunter-Lab	<a href="#">81.7464, -25.0480, 3.7884</a>

# Details

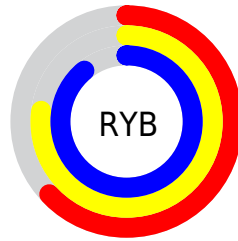
The Yxy color **66.8248, 0.2778, 0.3435** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7026, 0.3643, 0.3152**, and the grayscale version is **61.1818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **34.3785, 0.2694, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **64.4762, 0.2675, 0.3494**, and if you desaturate by 10%, it is **69.6087, 0.2892, 0.3380**.

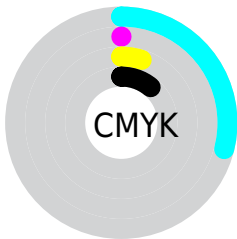
# Distribution



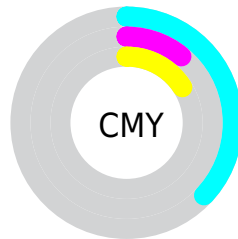
- Red (63%)
- Green (89%)
- Blue (84%)



- Red (63%)
- Yellow (77%)
- Blue (89%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)




- Cyan (37%)
- Magenta (11%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8248, 0.2778, 0.3435 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 66.8248, 0.2778, 0.3435 by changing the saturation by 10% instead.




 66.8248, 0.2778,  
0.3435

 66.8248, 0.2778,  
0.3435

449.3209, 0.2941,  
0.3368

 48.9423, 0.2740,  
0.3451


 114.6693, 0.2835,  
0.3412

 34.5737, 0.2693,  
0.3470

 145.4001, 0.2857,  
0.3402

 23.3347, 0.2633,  
0.3494


181.1824, 0.2876,  
0.3395

 14.8408, 0.2555,  
0.3526

222.4007, 0.2893,  
0.3388

 8.7077, 0.2446,  
0.3570

269.4393, 0.2907,  
0.3382

 4.5510, 0.2287,  
0.3634

322.6826, 0.2920,

 1.9863, 0.2035,

0.3376

382.5150, 0.2931,  
0.3372

0.3734

0.5995, 0.0081,  
0.4563

0.0000, 0.0000,  
0.0000

66.8248, 0.2778,  
0.3435

66.8248, 0.2778,  
0.3435

64.4762, 0.2675,  
0.3494

69.6087, 0.2892,  
0.3380

62.5318, 0.2586,  
0.3556

72.8409, 0.3015,  
0.3330


60.9692, 0.2514,  
0.3620

76.5439, 0.3144,  
0.3284


59.7607, 0.2461,  
0.3687

80.7363, 0.3275,  
0.3243


 58.8745, 0.2427,  
0.3754


 81.6375, 0.3272,  
0.3203


 58.2733, 0.2412,  
0.3821


 81.8813, 0.3244,  
0.3162

 57.9005, 0.2415,  
0.3887

 82.1307, 0.3217,  
0.3121

 57.8595, 0.2416,  
0.3896

 82.3859, 0.3190,  
0.3081

 82.6469, 0.3162,  
0.3042

# Harmonies

## Analogous

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



66.8248, 0.3028, 0.3672



66.8248, 0.2778, 0.3435



66.8248, 0.2624, 0.3165

# Triad

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



66.8248, 0.2778, 0.3435



66.8248, 0.2925, 0.2836



66.8248, 0.3684, 0.3602

# Complementary

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



66.8248, 0.2778, 0.3435



44.7026, 0.3643, 0.3152

# 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.



66.8248, 0.3658, 0.3377



66.8248, 0.2778, 0.3435



66.8248, 0.3209, 0.2948

# Square

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



66.8248, 0.2778, 0.3435



66.8248, 0.2706, 0.2832



66.8248, 0.3480, 0.3142



66.8248, 0.3555, 0.3759



# Rectangle

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



66.8248, 0.2778, 0.3435



66.8248, 0.2592, 0.3010



66.8248, 0.3480, 0.3142



66.8248, 0.3694, 0.3531

# Sweetspot

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



66.8275, 0.2778, 0.3435



95.6343, 0.3011, 0.3332



65.9684, 0.3177, 0.4101



20.3289, 0.2993, 0.3339



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

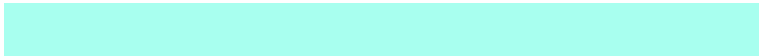


# Same Dimension

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



66.8275, 0.2778, 0.3435



86.1096, 0.2720, 0.3467



57.4666, 0.2687, 0.3049



15.5267, 0.3006, 0.3334



33.0286, 0.2413, 0.3885



2.3008, 0.2384, 0.3783



# Inverse Universe

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



44.7026, 0.3643, 0.3152



52.8496, 0.3782, 0.3124



51.6080, 0.3697, 0.3518



13.7417, 0.3263, 0.3247



9.3312, 0.6107, 0.3138

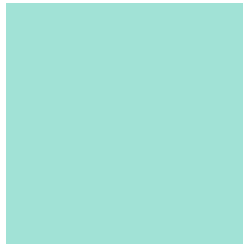


0.6590, 0.5694, 0.2910



# Previews

## White Background



This preview shows how the Yxy color 66.8248, 0.2778, 0.3435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

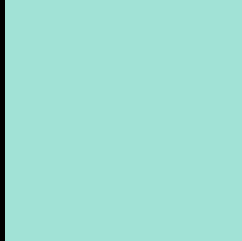
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8248, 0.2778, 0.3435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

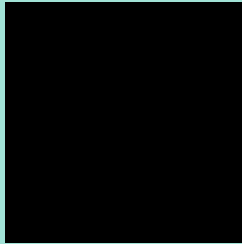
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

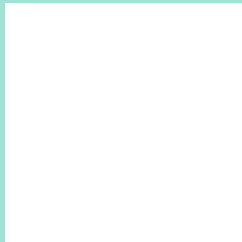
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.8248, 0.2778, 0.3435**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8248, 0.2778, 0.3435.



This preview shows how white text looks on a background with the Yxy color 66.8248, 0.2778, 0.3435.

# 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

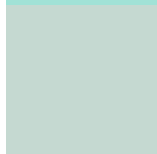
66.7493, 0.2665, 0.3079

# Trichromacy



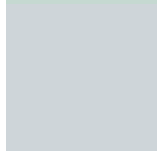
## Original Color

66.8248, 0.2778, 0.3435



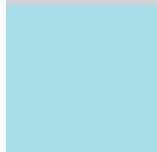
## Protanomaly

66.0995, 0.3037, 0.3383



## Deuteranomaly

65.7201, 0.3049, 0.3244



## Tritanomaly

66.5442, 0.2704, 0.3194

# Monochromacy



## Original Color

66.8248, 0.2778, 0.3435



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

62.9614, 0.2988, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8248, 0.2778, 0.3435 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, 226, 214)` looks like.

```
.text, #text, p{  
    color:rgb(161, 226, 214)  
}
```

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, 226, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 226, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8248, 0.2778, 0.3435 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, 226, 214) }
```

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

```
.border{ border-color:rgb(161, 226, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 226, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 226, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 226, 214);  
box-shadow:4px 4px 4px 4px rgb(161, 226,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8248, 0.2778, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 226, 214) }
```

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

```
.background{ background-color: rgb(161,  
226, 214) }
```

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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