

# Converting Colors

$Yxy(67.7048, 0.2733, 0.3368)$

Have a look what the booklet for  
Yxy(67.7048, 0.2733, 0.3368)  
contains.

<b>Yxy(67.5296, 0.2729, 0.3361)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(67.5296, 0.2729, 0.3361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE3DD
RGB	159, 227, 221
RGB Percent	62%, 89%, 87%
CMY	0.3761, 0.1098, 0.1333
CMYK	0.30, 0.00, 0.03, 0.11
HSL	175°, 55%, 76%
HSV	175°, 30%, 89%
XYZ	54.8314, 67.5296, 78.5602
YIQ	205.9840, -38.6020, -16.2820

# Conversions

## Conversions Part 2

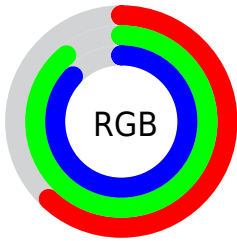
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 195, 227
Decimal	10478557
CIELab	85.77, -22.44, -3.91
CIELCh	86, 22.776, 189.897
Yxy	67.5296, 0.2729, 0.3361
Android (android.graphics.Color)	4288668637 (0xFF9FE3DD)
YUV	205.9840, 7.4029, -41.2050
Hunter-Lab	82.1764, -24.7063, 0.8426

# Details

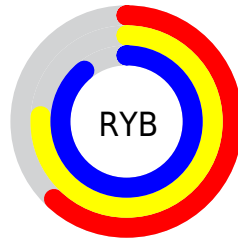
The Yxy color **67.5296, 0.2729, 0.3361** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8722, 0.3737, 0.3222**, and the grayscale version is **61.6933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **34.8823, 0.2634, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **65.3136, 0.2618, 0.3388**, and if you desaturate by 10%, it is **70.1785, 0.2853, 0.3335**.

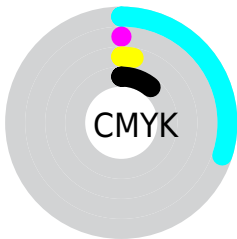
# Distribution



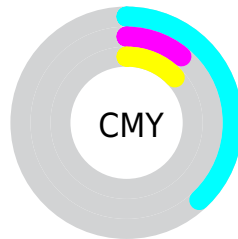
- Red (62%)
- Green (89%)
- Blue (87%)



- Red (62%)
- Yellow (76%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (38%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5296, 0.2729, 0.3361 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 67.5296, 0.2729, 0.3361 by changing the saturation by 10% instead.




 67.5296, 0.2729,  
0.3361

 67.5296, 0.2729,  
0.3361

451.8276, 0.2914,  
0.3330

 49.5151, 0.2687,  
0.3368

 115.6789, 0.2793,  
0.3351

 35.0283, 0.2634,  
0.3376


 146.5826, 0.2818,  
0.3346

 23.6847, 0.2567,  
0.3385


182.5515, 0.2840,  
0.3343

 15.0999, 0.2480,  
0.3398

223.9699, 0.2859,  
0.3340

 8.8895, 0.2360,  
0.3413

271.2224, 0.2875,  
0.3337

 4.6692, 0.2188,  
0.3432

324.6932, 0.2890,

 2.0545, 0.1919,

0.3334

384.7668, 0.2903,  
0.3332

0.3454

0.6389, 0.0357,  
0.3831

0.0000, 0.0000,  
0.0000

67.5296, 0.2729,  
0.3361

67.5296, 0.2729,  
0.3361

65.3136, 0.2618,  
0.3388

70.1785, 0.2853,  
0.3335

63.4989, 0.2523,  
0.3417

73.2737, 0.2987,  
0.3312

62.0627, 0.2446,  
0.3447


76.8381, 0.3128,  
0.3290

60.9765, 0.2388,  
0.3477


80.8904, 0.3274,  
0.3270


 60.2077, 0.2349,  
0.3507

 81.9612, 0.3297,  
0.3251

 59.7177, 0.2329,  
0.3537


 82.0747, 0.3284,  
0.3231

 59.4398, 0.2324,  
0.3567

 82.1895, 0.3270,  
0.3211

 59.4377, 0.2324,  
0.3567

 82.3056, 0.3257,  
0.3192

 82.4229, 0.3244,  
0.3172

# Harmonies

## Analogous

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



67.5296, 0.2956, 0.3613



67.5296, 0.2729, 0.3361



67.5296, 0.2609, 0.3100

# Triad

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



67.5296, 0.2729, 0.3361



67.5296, 0.2999, 0.2860



67.5296, 0.3659, 0.3650

# Complementary

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



67.5296, 0.2729, 0.3361



43.8722, 0.3737, 0.3222

# 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.



67.5296, 0.3675, 0.3439



67.5296, 0.2729, 0.3361



67.5296, 0.3285, 0.2996

# Square

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



67.5296, 0.2729, 0.3361



67.5296, 0.2759, 0.2826



67.5296, 0.3536, 0.3204



67.5296, 0.3495, 0.3777

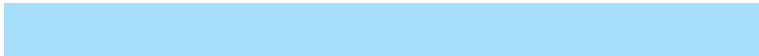


# Rectangle

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



67.5296, 0.2729, 0.3361



67.5296, 0.2601, 0.2962



67.5296, 0.3536, 0.3204



67.5296, 0.3682, 0.3586

# Sweetspot

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



67.5323, 0.2729, 0.3361



95.7748, 0.2999, 0.3310



65.5311, 0.3132, 0.4152



20.3638, 0.2979, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

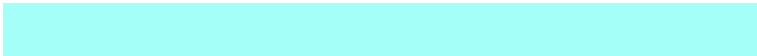


# Same Dimension

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



67.5323, 0.2729, 0.3361



86.0384, 0.2657, 0.3378



54.1527, 0.2659, 0.2951



16.3134, 0.2993, 0.3311



34.6772, 0.2323, 0.3562



2.5690, 0.2311, 0.3519



# Inverse Universe

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



43.8722, 0.3737, 0.3222



50.4763, 0.3924, 0.3207



54.0560, 0.3705, 0.3605



14.3885, 0.3279, 0.3270



9.5608, 0.6300, 0.3244

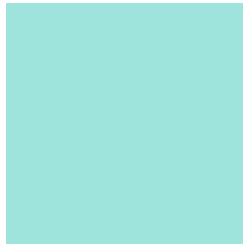


0.7136, 0.6051, 0.3107



# Previews

## White Background



This preview shows how the Yxy color 67.5296, 0.2729, 0.3361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

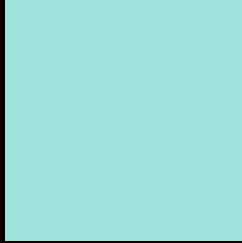
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.5296, 0.2729, 0.3361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

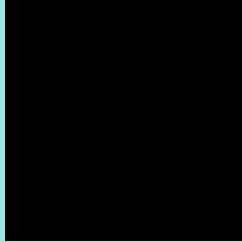
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

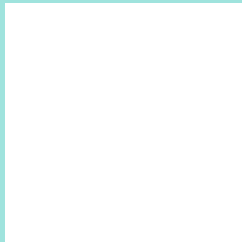
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.5296, 0.2729, 0.3361**

## Background



This preview shows how black text looks on a background with the Yxy color 67.5296, 0.2729, 0.3361.

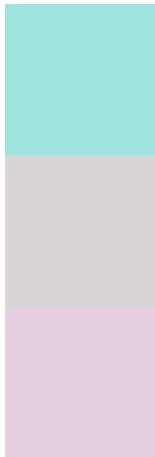


This preview shows how white text looks on a background with the Yxy color 67.5296, 0.2729, 0.3361.

# 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

67.5296, 0.2729, 0.3361

### Protanopia

67.1443, 0.3157, 0.3290

### Deuteranopia

66.7199, 0.3166, 0.3097



## Tritanopia

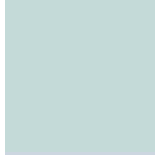
67.6146, 0.2641, 0.3079

# Trichromacy



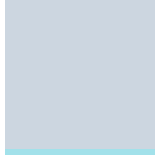
## Original Color

67.5296, 0.2729, 0.3361



## Protanomaly

66.8364, 0.2985, 0.3313



## Deuteranomaly

66.3123, 0.2989, 0.3177



## Tritanomaly

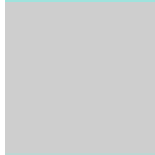
67.4723, 0.2673, 0.3182

# Monochromacy



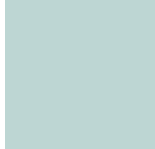
## Original Color

67.5296, 0.2729, 0.3361



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

63.6151, 0.2968, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.5296, 0.2729, 0.3361 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(159, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 221)  
}
```

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(159, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 67.5296, 0.2729, 0.3361 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(159, 227, 221) }
```

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

```
.border{ border-color:rgb(159, 227, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 227, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 227, 221); box-shadow:4px 4px 4px 4px rgb(159, 227, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.5296, 0.2729, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 221) }
```

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

```
.background{ background-color: rgb(159,  
227, 221) }
```

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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