

# Converting Colors

$Yxy(63.6707, 0.2798, 0.3352)$

Have a look what the booklet for  
Yxy(63.6707, 0.2798, 0.3352)  
contains.

<b>Yxy(63.6251, 0.2801, 0.3350)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.6251, 0.2801, 0.3350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6DBD6
RGB	166, 219, 214
RGB Percent	65%, 86%, 84%
CMY	0.3490, 0.1412, 0.1607
CMYK	0.24, 0.00, 0.02, 0.14
HSL	174°, 42%, 75%
HSV	174°, 24%, 86%
XYZ	53.1982, 63.6251, 73.1024
YIQ	202.5830, -29.9830, -12.7910

# Conversions

## Conversions Part 2

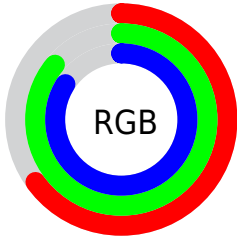
Format	Color
<b>RYB</b>	166, 194, 219
Decimal	10935254
CIELab	83.77, -17.99, -3.11
CIELCh	84, 18.255, 189.808
Yxy	63.6251, 0.2801, 0.3350
Android (android.graphics.Color)	4289125334 (0xFFA6DBD6)
YUV	202.5830, 5.6286, -32.0833
Hunter-Lab	79.7653, -20.5417, 1.4983

# Details

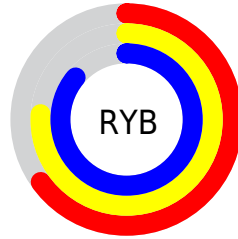
The Yxy color **63.6251, 0.2801, 0.3350** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.2788, 0.3583, 0.3232**, and the grayscale version is **59.4276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **32.5648, 0.2727, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **61.3540, 0.2683, 0.3378**, and if you desaturate by 10%, it is **66.3057, 0.2930, 0.3324**.

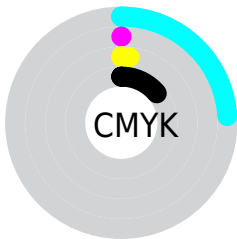
# Distribution



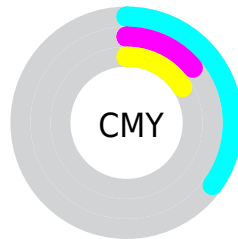
- Red (65%)
- Green (86%)
- Blue (84%)



- Red (65%)
- Yellow (76%)
- Blue (86%)



- Cyan (24%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)




- Cyan (35%)
- Magenta (14%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6251, 0.2801, 0.3350 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 63.6251, 0.2801, 0.3350 by changing the saturation by 10% instead.




 63.6251, 0.2801,  
0.3350

 63.6251, 0.2801,  
0.3350


437.8346, 0.2955,  
0.3323

 46.3471, 0.2765,  
0.3356

 110.0708, 0.2855,  
0.3341

 32.5198, 0.2721,  
0.3363


 140.0074, 0.2876,  
0.3337

 21.7588, 0.2664,  
0.3372


174.9322, 0.2893,  
0.3334

 13.6798, 0.2588,  
0.3384

215.2297, 0.2909,  
0.3331

 7.8983, 0.2484,  
0.3399

261.2843, 0.2922,  
0.3329

 4.0299, 0.2330,  
0.3418

313.4804, 0.2934,

 1.6903, 0.2081,

0.3327

372.2023, 0.2945,  
0.3325

0.3445

0.4174, 0.0000,  
0.3832

0.0000, 0.0000,  
0.0000

63.6251, 0.2801,  
0.3350

63.6251, 0.2801,  
0.3350

61.3540, 0.2683,  
0.3378

66.3057, 0.2930,  
0.3324

59.4643, 0.2580,  
0.3408

69.4070, 0.3068,  
0.3300

57.9362, 0.2492,  
0.3439

72.9494, 0.3211,  
0.3278

56.7454, 0.2424,  
0.3471

76.9497, 0.3357,  
0.3258

 55.8644, 0.2374,  
0.3504

 77.3226, 0.3352,  
0.3237

 55.2612, 0.2344,  
0.3536


 77.4354, 0.3338,  
0.3217

 54.8972, 0.2331,  
0.3568

 77.5495, 0.3323,  
0.3196

 54.7582, 0.2330,  
0.3586

 77.6650, 0.3309,  
0.3176

 77.7819, 0.3295,  
0.3155

# Harmonies

## Analogous

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



63.6251, 0.2989, 0.3553



63.6251, 0.2801, 0.3350



63.6251, 0.2700, 0.3138

# Triad

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



63.6251, 0.2801, 0.3350



63.6251, 0.3023, 0.2935



63.6251, 0.3562, 0.3587

# Complementary

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



63.6251, 0.2801, 0.3350



45.2788, 0.3583, 0.3232

# 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.



63.6251, 0.3574, 0.3415



63.6251, 0.2801, 0.3350



63.6251, 0.3257, 0.3047

# Square

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



63.6251, 0.2801, 0.3350



63.6251, 0.2825, 0.2908



63.6251, 0.3461, 0.3220



63.6251, 0.3430, 0.3688



# Rectangle

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



63.6251, 0.2801, 0.3350



63.6251, 0.2693, 0.3023



63.6251, 0.3461, 0.3220



63.6251, 0.3580, 0.3535

# Sweetspot

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



63.6277, 0.2801, 0.3350



96.6626, 0.3028, 0.3306



62.1104, 0.3133, 0.3964



20.6313, 0.3019, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

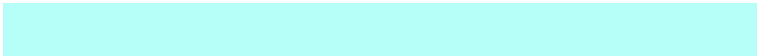


# Same Dimension

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



63.6277, 0.2801, 0.3350



88.1294, 0.2740, 0.3364



53.5231, 0.2750, 0.3024



14.8073, 0.2995, 0.3312



32.4776, 0.2328, 0.3582



2.1104, 0.2314, 0.3529



# Inverse Universe

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



45.2788, 0.3583, 0.3232



57.9595, 0.3713, 0.3219



53.4436, 0.3572, 0.3541



13.0713, 0.3277, 0.3268



8.9683, 0.6288, 0.3237



0.5880, 0.5996, 0.3077



# Previews

## White Background



This preview shows how the Yxy color 63.6251, 0.2801, 0.3350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

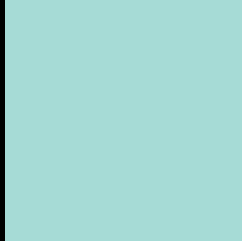
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.6251, 0.2801, 0.3350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

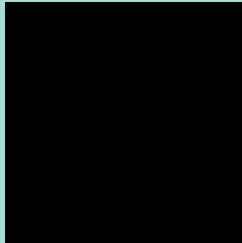
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

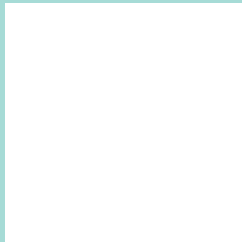
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.6251, 0.2801, 0.3350**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6251, 0.2801, 0.3350.

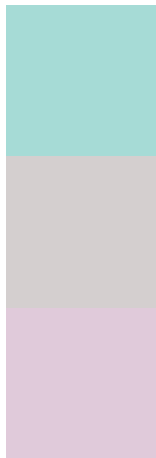


This preview shows how white text looks on a background with the Yxy color 63.6251, 0.2801, 0.3350.

# 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

63.6251, 0.2801, 0.3350

### Protanopia

63.1277, 0.3165, 0.3290

### Deuteranopia

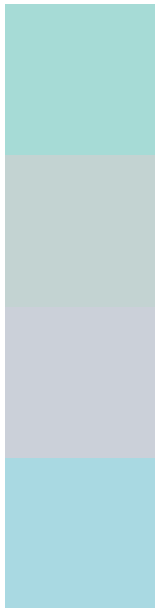
63.1503, 0.3181, 0.3114



## Tritanopia

63.5410, 0.2713, 0.3088

# Trichromacy



**Original Color**

63.6251, 0.2801, 0.3350

**Protanomaly**

62.8438, 0.3017, 0.3301

**Deuteranomaly**

62.8180, 0.3029, 0.3186

**Tritanomaly**

63.5517, 0.2748, 0.3181

# Monochromacy



**Original Color**

63.6251, 0.2801, 0.3350

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.0531, 0.3001, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6251, 0.2801, 0.3350 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(166, 219, 214)` looks like.

```
.text, #text, p{  
    color:rgb(166, 219, 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(166, 219, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 219, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6251, 0.2801, 0.3350 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(166, 219, 214) }
```

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

```
.border{ border-color:rgb(166, 219, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 219, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 219, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 219, 214);  
box-shadow:4px 4px 4px 4px rgb(166, 219,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6251, 0.2801, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 219, 214) }
```

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

```
.background{ background-color: rgb(166,  
219, 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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