

# Converting Colors

$Yxy(55.6467, 0.2859, 0.3411)$

Have a look what the booklet for  
Yxy(55.6467, 0.2859, 0.3411)  
contains.

<b>Yxy(55.6474, 0.2855, 0.3406)</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(55.6474, 0.2855, 0.3406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0CEC5
RGB	160, 206, 197
RGB Percent	63%, 81%, 77%
CMY	0.3725, 0.1921, 0.2276
CMYK	0.22, 0.00, 0.04, 0.19
HSL	168°, 32%, 72%
HSV	168°, 22%, 81%
XYZ	46.6451, 55.6474, 61.0880
YIQ	191.2200, -24.5270, -12.5510

# Conversions

## Conversions Part 2

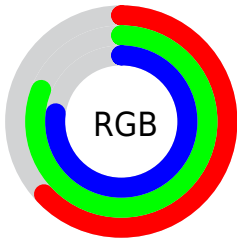
Format	Color
<a href="#">RYB</a>	<a href="#">160, 185, 206</a>
Decimal	<a href="#">10538693</a>
CIELab	<a href="#">79.41, -16.87, -0.45</a>
CIElCh	<a href="#">79, 16.878, 181.524</a>
Yxy	<a href="#">55.6474, 0.2855, 0.3406</a>
Android (android.graphics.Color)	<a href="#">4288728773 (0xFFA0CEC5)</a>
YUV	<a href="#">191.2200, 2.8495, -27.3799</a>
Hunter-Lab	<a href="#">74.5972, -18.9302, 3.6652</a>

# Details

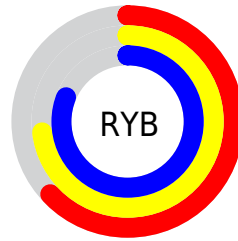
The Yxy color **55.6474, 0.2855, 0.3406** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1342, 0.3491, 0.3178**, and the grayscale version is **52.2297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1228, 0.2894, 0.3300**, and **27.5654, 0.2783, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **53.5164, 0.2746, 0.3466**, and if you desaturate by 10%, it is **58.1398, 0.2973, 0.3351**.

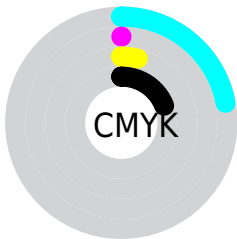
# Distribution



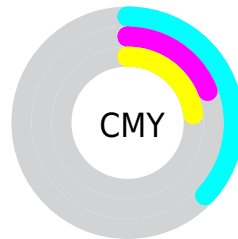
- Red (63%)
- Green (81%)
- Blue (77%)



- Red (63%)
- Yellow (73%)
- Blue (81%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)
- Black (19%)




- Cyan (37%)
- Magenta (19%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6474, 0.2855, 0.3406 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 55.6474, 0.2855, 0.3406 by changing the saturation by 10% instead.




 55.6474, 0.2855,  
0.3406


 55.6474, 0.2855,  
0.3406


408.3613, 0.2987,  
0.3350

 39.9203, 0.2823,  
0.3419

 98.4889, 0.2902,  
0.3386

 27.4764, 0.2783,  
0.3436


 126.3720, 0.2920,  
0.3379

 17.9313, 0.2731,  
0.3458


159.0759, 0.2935,  
0.3372

 10.9007, 0.2661,  
0.3488

196.9850, 0.2948,  
0.3366

 6.0001, 0.2560,  
0.3530

240.4837, 0.2960,  
0.3362

 2.8451, 0.2404,  
0.3595

289.9564, 0.2970,

 1.0514, 0.2059,

0.3357

0.3741

345.7875, 0.2979,  
0.3354

0.0000, 0.0000,  
0.0000

55.6474, 0.2855,  
0.3406

55.6474, 0.2855,  
0.3406

53.5164, 0.2746,  
0.3466

58.1398, 0.2973,  
0.3351

51.7225, 0.2649,  
0.3529

61.0028, 0.3098,  
0.3301

50.2492, 0.2567,  
0.3596


64.2539, 0.3226,  
0.3256

49.0758, 0.2502,  
0.3665


67.9075, 0.3355,  
0.3215

48.1792, 0.2456,  
0.3737


70.4253, 0.3422,  
0.3177

 47.5329, 0.2430,  
0.3808


 70.6387, 0.3392,  
0.3136

 47.1050, 0.2422,  
0.3879

 70.8573, 0.3362,  
0.3096

 46.8816, 0.2426,  
0.3934

 71.0812, 0.3332,  
0.3056

 71.3103, 0.3302,  
0.3016

# Harmonies

## Analogous

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



55.6474, 0.3053, 0.3587



55.6474, 0.2855, 0.3406



55.6474, 0.2731, 0.3197

# Triad

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



55.6474, 0.2855, 0.3406



55.6474, 0.2968, 0.2930



55.6474, 0.3563, 0.3537

# Complementary

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



55.6474, 0.2855, 0.3406



41.1342, 0.3491, 0.3178

# 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.



55.6474, 0.3540, 0.3360



55.6474, 0.2855, 0.3406



55.6474, 0.3190, 0.3018

# Square

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



55.6474, 0.2855, 0.3406



55.6474, 0.2794, 0.2930



55.6474, 0.3402, 0.3172



55.6474, 0.3465, 0.3657



# Rectangle

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



55.6474, 0.2855, 0.3406



55.6474, 0.2704, 0.3075



55.6474, 0.3402, 0.3172



55.6474, 0.3569, 0.3482

# Sweetspot

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



55.6497, 0.2855, 0.3406



96.5466, 0.3038, 0.3324



55.1417, 0.3168, 0.3897



20.6043, 0.3030, 0.3327



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

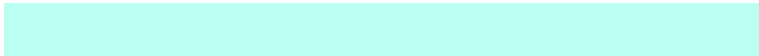


# Same Dimension

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



55.6497, 0.2855, 0.3406



88.3574, 0.2799, 0.3435



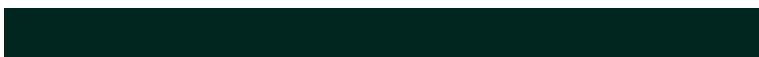
49.7214, 0.2785, 0.3109



12.6878, 0.3009, 0.3336



28.8805, 0.2423, 0.3923



1.4998, 0.2385, 0.3785



# Inverse Universe

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



41.1342, 0.3491, 0.3178



60.5959, 0.3599, 0.3151



45.8594, 0.3542, 0.3464



11.2491, 0.3260, 0.3245



8.1873, 0.6067, 0.3116

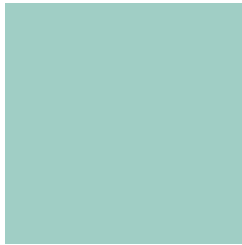


0.4333, 0.5526, 0.2818



# Previews

## White Background



This preview shows how the Yxy color 55.6474, 0.2855, 0.3406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

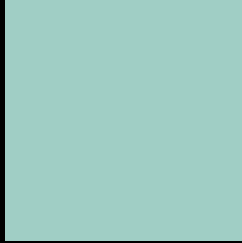
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.6474, 0.2855, 0.3406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

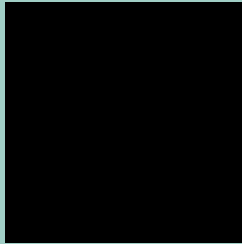
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

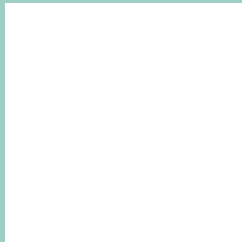
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.6474, 0.2855, 0.3406**

## Background



This preview shows how black text looks on a background with the Yxy color 55.6474, 0.2855, 0.3406.



This preview shows how white text looks on a background with the Yxy color 55.6474, 0.2855, 0.3406.

# 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

55.6474, 0.2855, 0.3406

### Protanopia

55.2093, 0.3205, 0.3339

### Deuteranopia

55.1432, 0.3239, 0.3174



## Tritanopia

55.7189, 0.2742, 0.3090

# Trichromacy



## Original Color

55.6474, 0.2855, 0.3406

## Protanomaly

55.1362, 0.3069, 0.3364

## Deuteranomaly

55.0727, 0.3089, 0.3253

## Tritanomaly

55.6754, 0.2786, 0.3201

# Monochromacy



## Original Color

55.6474, 0.2855, 0.3406

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

53.0334, 0.3024, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.6474, 0.2855, 0.3406 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(160, 206, 197)` looks like.

```
.text, #text, p{  
    color:rgb(160, 206, 197)  
}
```

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(160, 206, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 206, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 55.6474, 0.2855, 0.3406 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(160, 206, 197) }
```

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

```
.border{ border-color:rgb(160, 206, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 206, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 206, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 206, 197);  
box-shadow:4px 4px 4px 4px rgb(160, 206,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.6474, 0.2855, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 206, 197) }
```

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

```
.background{ background-color: rgb(160,  
206, 197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor