

# Converting Colors

$Yxy(54.2121, 0.2835, 0.3328)$

Have a look what the booklet for  
Yxy(54.2121, 0.2835, 0.3328)  
contains.

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# Color

**Yxy(54.3556, 0.2833, 0.3328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0CBC8
RGB	160, 203, 200
RGB Percent	63%, 80%, 78%
CMY	0.3728, 0.2039, 0.2156
CMYK	0.21, 0.00, 0.01, 0.20
HSL	176°, 29%, 71%
HSV	176°, 21%, 80%
XYZ	46.2709, 54.3556, 62.7017
YIQ	189.8010, -24.6650, -10.0490

# Conversions

## Conversions Part 2

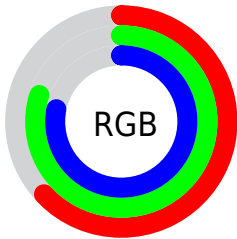
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 182, 203
Decimal	10537928
CIELab	78.67, -14.72, -3.17
CIELCh	79, 15.060, 192.158
Yxy	54.3556, 0.2833, 0.3328
Android (android.graphics.Color)	4288728008 (0xFFA0CBC8)
YUV	189.8010, 5.0281, -26.1355
Hunter-Lab	73.7263, -16.9937, 1.1842

# Details

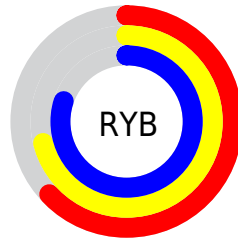
The Yxy color **54.3556, 0.2833, 0.3328** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.4640, 0.3521, 0.3253**, and the grayscale version is **51.3489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **26.6960, 0.2754, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **52.3685, 0.2709, 0.3348**, and if you desaturate by 10%, it is **56.6894, 0.2967, 0.3309**.

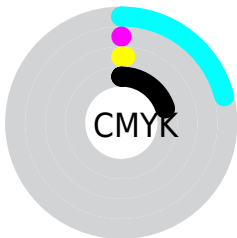
# Distribution



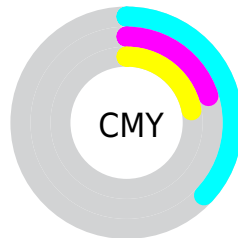
- Red (63%)
- Green (80%)
- Blue (78%)



- Red (63%)
- Yellow (71%)
- Blue (80%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)




- Cyan (37%)
- Magenta (20%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3556, 0.2833, 0.3328 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 54.3556, 0.2833, 0.3328 by changing the saturation by 10% instead.





 54.3556, 0.2833,  
0.3328


 54.3556, 0.2833,  
0.3328


403.4646, 0.2975,  
0.3311

 38.8860, 0.2799,  
0.3332


 96.5962, 0.2884,  
0.3322

 26.6711, 0.2756,  
0.3336


 124.1360, 0.2903,  
0.3320

 17.3263, 0.2699,  
0.3342

156.4679, 0.2920,  
0.3318

 10.4674, 0.2623,  
0.3349

193.9765, 0.2934,  
0.3316

 5.7100, 0.2514,  
0.3358

237.0461, 0.2946,  
0.3315

 2.6695, 0.2346,  
0.3369

286.0610, 0.2957,

 0.9617, 0.1964,

0.3313

0.3418

341.4057, 0.2967,  
0.3312

0.0000, 0.0000,  
0.0000

54.3556, 0.2833,  
0.3328

54.3556, 0.2833,  
0.3328

52.3685, 0.2709,  
0.3348

56.6894, 0.2967,  
0.3309

50.7048, 0.2599,  
0.3370

59.3787, 0.3109,  
0.3292

49.3488, 0.2505,  
0.3392

62.4401, 0.3257,  
0.3276

48.2808, 0.2429,  
0.3415

65.8873, 0.3406,  
0.3262

47.4789, 0.2372,  
0.3439

68.4889, 0.3505,  
0.3249

■ 46.9180, 0.2334,  
0.3462

■ 68.5585, 0.3494,  
0.3235

■ 46.5680, 0.2314,  
0.3485

■ 68.6288, 0.3483,  
0.3220

■ 46.3868, 0.2307,  
0.3506

■ 68.6997, 0.3472,  
0.3206

■ 68.7713, 0.3461,  
0.3191

# Harmonies

## Analogous

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



54.3556, 0.2993, 0.3505



54.3556, 0.2833, 0.3328



54.3556, 0.2752, 0.3146

# Triad

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



54.3556, 0.2833, 0.3328



54.3556, 0.3053, 0.2984



54.3556, 0.3499, 0.3559

# Complementary

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



54.3556, 0.2833, 0.3328



40.4640, 0.3521, 0.3253

# 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.



54.3556, 0.3518, 0.3414



54.3556, 0.2833, 0.3328



54.3556, 0.3256, 0.3088

# Square

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



54.3556, 0.2833, 0.3328



54.3556, 0.2875, 0.2955



54.3556, 0.3428, 0.3243



54.3556, 0.3378, 0.3638



# Rectangle

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



54.3556, 0.2833, 0.3328



54.3556, 0.2751, 0.3049



54.3556, 0.3428, 0.3243



54.3556, 0.3518, 0.3516

# Sweetspot

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



54.3578, 0.2833, 0.3328



97.1442, 0.3040, 0.3300



53.0985, 0.3127, 0.3869



20.7293, 0.3030, 0.3301



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.



54.3578, 0.2833, 0.3328



89.5656, 0.2781, 0.3336



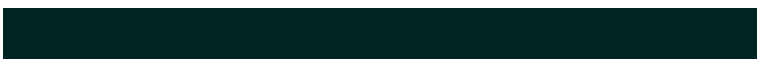
46.5076, 0.2798, 0.3052



12.7130, 0.2993, 0.3306



29.5208, 0.2306, 0.3503



1.5271, 0.2294, 0.3457



# Inverse Universe

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



40.4640, 0.3521, 0.3253



62.6026, 0.3621, 0.3245



47.0325, 0.3505, 0.3517



11.2262, 0.3279, 0.3274



8.1055, 0.6317, 0.3254



0.4227, 0.6050, 0.3106



# Previews

## White Background



This preview shows how the Yxy color 54.3556, 0.2833, 0.3328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

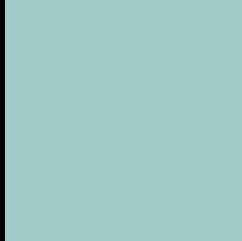
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.3556, 0.2833, 0.3328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

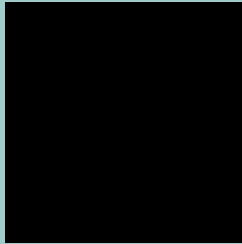
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

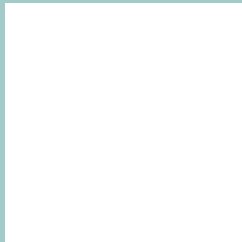
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.3556, 0.2833, 0.3328**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3556, 0.2833, 0.3328.

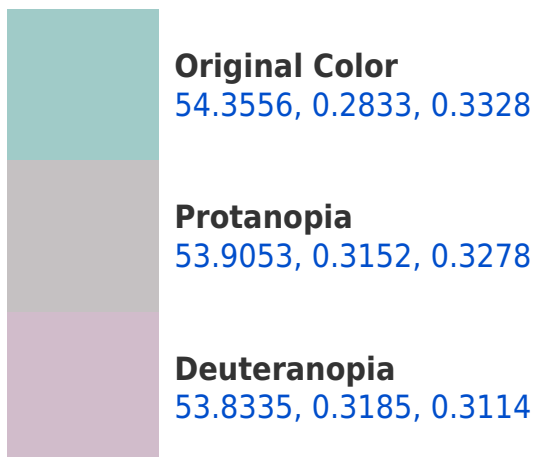


This preview shows how white text looks on a background with the Yxy color 54.3556, 0.2833, 0.3328.

# 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

54.1048, 0.2744, 0.3075

# Trichromacy



## Original Color

54.3556, 0.2833, 0.3328

## Protanomaly

54.1084, 0.3033, 0.3302

## Deuteranomaly

53.4806, 0.3045, 0.3180

## Tritanomaly

54.1578, 0.2776, 0.3162

# Monochromacy



## Original Color

54.3556, 0.2833, 0.3328

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.5090, 0.3009, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3556, 0.2833, 0.3328 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, 203, 200)` looks like.

```
.text, #text, p{  
    color:rgb(160, 203, 200)  
}
```

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, 203, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 203, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3556, 0.2833, 0.3328 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, 203, 200) }
```

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

```
.border{ border-color:rgb(160, 203, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 203, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 203, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 203, 200); box-shadow:4px 4px 4px 4px rgb(160, 203, 200) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3556, 0.2833, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 203, 200) }
```

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

```
.background{ background-color: rgb(160,  
203, 200) }
```

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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