

# Converting Colors

$Yxy(51.6057, 0.2856, 0.3340)$

Have a look what the booklet for  
Yxy(51.6057, 0.2856, 0.3340)  
contains.

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# Color

**Yxy(51.5523, 0.2855, 0.3342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EC6C2
RGB	158, 198, 194
RGB Percent	62%, 78%, 76%
CMY	0.3802, 0.2236, 0.2392
CMYK	0.20, 0.00, 0.02, 0.22
HSL	174°, 26%, 70%
HSV	174°, 20%, 78%
XYZ	44.0400, 51.5523, 58.6635
YIQ	185.5840, -22.5560, -9.7240

# Conversions

## Conversions Part 2

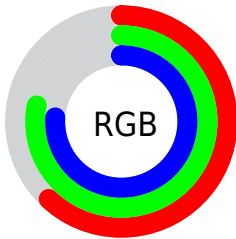
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 179, 198
Decimal	10405570
CIE <sub>Lab</sub>	77.01, -14.01, -2.38
CIE <sub>LCh</sub>	77, 14.209, 189.625
Yxy	51.5523, 0.2855, 0.3342
Android (android.graphics.Color)	4288595650 (0xFF9EC6C2)
YUV	185.5840, 4.1491, -24.1912
Hunter-Lab	71.7999, -16.1630, 1.8176

# Details

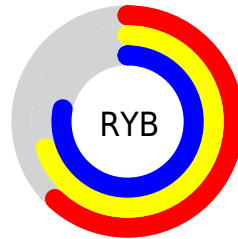
The Yxy color **51.5523, 0.2855, 0.3342** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0898, 0.3484, 0.3239**, and the grayscale version is **48.8507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5683, 0.2904, 0.3341**, and **24.9041, 0.2787, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **49.6163, 0.2734, 0.3371**, and if you desaturate by 10%, it is **53.8173, 0.2986, 0.3315**.

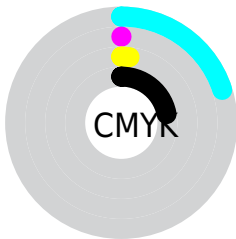
# Distribution



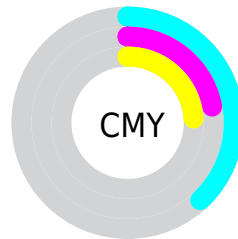
- Red (62%)
- Green (78%)
- Blue (76%)



- Red (62%)
- Yellow (70%)
- Blue (78%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)




- Cyan (38%)
- Magenta (22%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5523, 0.2855, 0.3342 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 51.5523, 0.2855, 0.3342 by changing the saturation by 10% instead.





 51.5523, 0.2855,  
0.3342


 51.5523, 0.2855,  
0.3342


392.7058, 0.2988,  
0.3317

 36.6483, 0.2823,  
0.3348


 92.4706, 0.2903,  
0.3333

 24.9353, 0.2782,  
0.3355


 119.2538, 0.2921,  
0.3330

 16.0289, 0.2728,  
0.3364


150.7655, 0.2936,  
0.3327

 9.5446, 0.2654,  
0.3376

187.3902, 0.2950,  
0.3325

 5.0981, 0.2547,  
0.3392

229.5121, 0.2961,  
0.3323

 2.3049, 0.2379,  
0.3416

277.5158, 0.2971,

 0.7763, 0.1812,

0.3321

0.3554

331.7855, 0.2980,  
0.3319

0.0000, 0.0000,  
0.0000

51.5523, 0.2855,  
0.3342

51.5523, 0.2855,  
0.3342

49.6163, 0.2734,  
0.3371

53.8173, 0.2986,  
0.3315

47.9874, 0.2625,  
0.3402

56.4192, 0.3125,  
0.3290

46.6509, 0.2531,  
0.3435

59.3738, 0.3267,  
0.3268

45.5887, 0.2455,  
0.3468

62.6940, 0.3412,  
0.3248

44.7803, 0.2398,  
0.3502

65.9996, 0.3540,  
0.3230

■ 44.2024, 0.2360,  
0.3537

■ 66.0953, 0.3524,  
0.3210

■ 43.8276, 0.2340,  
0.3571

■ 66.1922, 0.3508,  
0.3190

■ 43.6054, 0.2335,  
0.3604

■ 66.2903, 0.3492,  
0.3169

■ 66.3897, 0.3477,  
0.3149

# Harmonies

## Analogous

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



51.5523, 0.3014, 0.3509



51.5523, 0.2855, 0.3342



51.5523, 0.2769, 0.3166

# Triad

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



51.5523, 0.2855, 0.3342



51.5523, 0.3040, 0.2991



51.5523, 0.3490, 0.3539

# Complementary

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



51.5523, 0.2855, 0.3342



39.0898, 0.3484, 0.3239

# 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.



51.5523, 0.3499, 0.3396



51.5523, 0.2855, 0.3342



51.5523, 0.3235, 0.3085

# Square

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



51.5523, 0.2855, 0.3342



51.5523, 0.2873, 0.2970



51.5523, 0.3405, 0.3231



51.5523, 0.3381, 0.3621



# Rectangle

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



51.5523, 0.2855, 0.3342



51.5523, 0.2763, 0.3069



51.5523, 0.3405, 0.3231



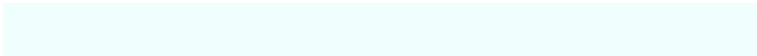
51.5523, 0.3505, 0.3496

# Sweetspot

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



51.5544, 0.2855, 0.3342



97.1145, 0.3042, 0.3305



50.6121, 0.3138, 0.3835



20.7222, 0.3033, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

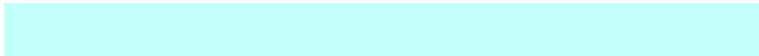


# Same Dimension

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



51.5544, 0.2855, 0.3342



89.7944, 0.2803, 0.3354



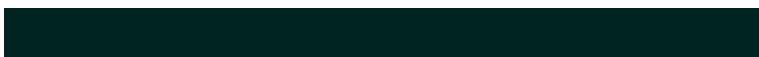
45.0892, 0.2816, 0.3084



12.0486, 0.2997, 0.3313



28.3676, 0.2333, 0.3600



1.3486, 0.2314, 0.3529



# Inverse Universe

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



39.0898, 0.3484, 0.3239



63.9214, 0.3581, 0.3228



44.5037, 0.3486, 0.3488



10.6539, 0.3274, 0.3267



7.8461, 0.6272, 0.3229

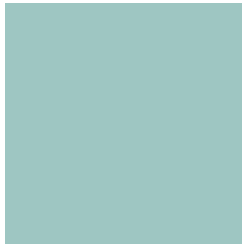


0.3775, 0.5889, 0.3018



# Previews

## White Background



This preview shows how the Yxy color 51.5523, 0.2855, 0.3342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

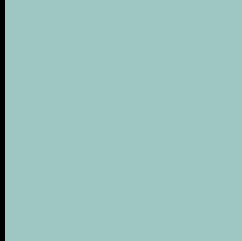
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5523, 0.2855, 0.3342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

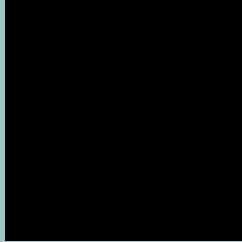
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

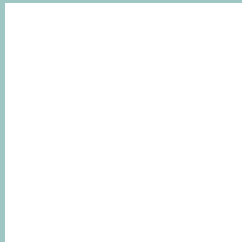
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.5523, 0.2855, 0.3342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5523, 0.2855, 0.3342.



This preview shows how white text looks on a background with the Yxy color 51.5523, 0.2855, 0.3342.

# 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

51.5523, 0.2855, 0.3342

### Protanopia

51.4068, 0.3160, 0.3290

### Deuteranopia

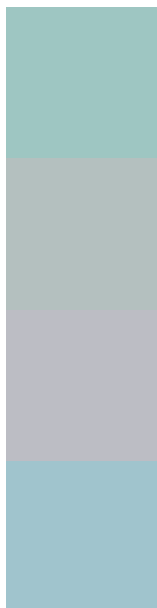
51.2913, 0.3202, 0.3134



## Tritanopia

51.3104, 0.2763, 0.3084

# Trichromacy



## Original Color

51.5523, 0.2855, 0.3342

## Protanomaly

51.1642, 0.3039, 0.3303

## Deuteranomaly

51.0721, 0.3066, 0.3202

## Tritanomaly

51.3612, 0.2795, 0.3172

# Monochromacy



## Original Color

51.5523, 0.2855, 0.3342

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.7311, 0.3022, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5523, 0.2855, 0.3342 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(158, 198, 194)` looks like.

```
.text, #text, p{  
    color:rgb(158, 198, 194)  
}
```

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(158, 198, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 198, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5523, 0.2855, 0.3342 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(158, 198, 194) }
```

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

```
.border{ border-color:rgb(158, 198, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 198, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 198, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 198, 194);  
box-shadow:4px 4px 4px 4px rgb(158, 198,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5523, 0.2855, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 198, 194) }
```

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

```
.background{ background-color: rgb(158,  
198, 194) }
```

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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