

# Converting Colors

$Y_{xy}(35.9287, 0.2857, 0.3320)$

Have a look what the booklet for  
Yxy(35.9287, 0.2857, 0.3320)  
contains.

<b>Yxy(35.9093, 0.2855, 0.3320)</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(35.9093, 0.2855, 0.3320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87A8A6
RGB	135, 168, 166
RGB Percent	53%, 66%, 65%
CMY	0.4705, 0.3412, 0.3491
CMYK	0.20, 0.00, 0.01, 0.34
HSL	176°, 16%, 59%
HSV	176°, 20%, 66%
XYZ	30.8798, 35.9093, 41.3714
YIQ	157.9050, -19.0260, -7.6180

# Conversions

## Conversions Part 2

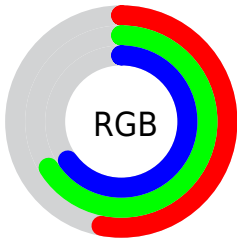
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 152, 168
Decimal	8890534
CIELab	66.45, -11.66, -2.70
CIElCh	66, 11.971, 193.046
Yxy	35.9093, 0.2855, 0.3320
Android (android.graphics.Color)	4287080614 (0xFF87A8A6)
YUV	157.9050, 3.9908, -20.0877
Hunter-Lab	59.9244, -12.8842, 1.0136

# Details

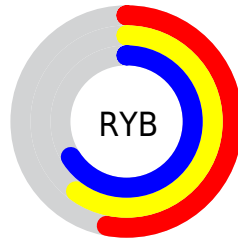
The Yxy color **35.9093, 0.2855, 0.3320** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.4698, 0.3482, 0.3261**, and the grayscale version is **34.1377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8146, 0.2909, 0.3312**, and **15.5905, 0.2766, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **34.5875, 0.2730, 0.3337**, and if you desaturate by 10%, it is **37.4543, 0.2990, 0.3304**.

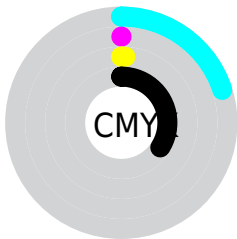
# Distribution



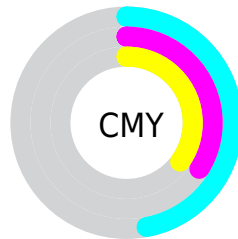
- Red (53%)
- Green (66%)
- Blue (65%)



- Red (53%)
- Yellow (60%)
- Blue (66%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)




- Cyan (47%)
- Magenta (34%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9093, 0.2855, 0.3320 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 35.9093, 0.2855, 0.3320 by changing the saturation by 10% instead.





 35.9093, 0.2855,  
0.3320


 35.9093, 0.2855,  
0.3320

328.5639, 0.2996,  
0.3306

 24.3642, 0.2818,  
0.3323


 68.8920, 0.2908,  
0.3315

 15.6040, 0.2769,  
0.3328


 91.0984, 0.2927,  
0.3313

 9.2444, 0.2703,  
0.3333


 117.6274, 0.2943,  
0.3311

 4.9009, 0.2605,  
0.3340

148.8632, 0.2957,  
0.3310

 2.1892, 0.2451,  
0.3349

185.1904, 0.2969,  
0.3309

 0.7141, 0.1899,  
0.3442

226.9934, 0.2979,

 0.0000, 0.0000,

0.3307

0.0000

274.6564, 0.2988,  
0.3306

■ 35.9093, 0.2855,  
0.3320

■ 35.9093, 0.2855,  
0.3320

■ 34.5875, 0.2730,  
0.3337

■ 37.4543, 0.2990,  
0.3304

■ 33.4741, 0.2618,  
0.3355

■ 39.2276, 0.3133,  
0.3289

■ 32.5596, 0.2520,  
0.3375

■ 41.2398, 0.3280,  
0.3276

■ 31.8317, 0.2440,  
0.3394

■ 43.4993, 0.3429,  
0.3265

■ 31.2771, 0.2379,  
0.3414

■ 46.0145, 0.3578,  
0.3254

■ 30.8804, 0.2336,  
0.3435

■ 48.7929, 0.3724,  
0.3245

■ 30.6238, 0.2311,  
0.3455

■ 51.8420, 0.3868,  
0.3237

■ 30.4692, 0.2299,  
0.3475

■ 52.3281, 0.3879,  
0.3227

■ 30.4638, 0.2299,  
0.3475

■ 52.3684, 0.3869,  
0.3216

# Harmonies

## Analogous

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



35.9093, 0.3000, 0.3482



35.9093, 0.2855, 0.3320



35.9093, 0.2783, 0.3155

# Triad

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



35.9093, 0.2855, 0.3320



35.9093, 0.3065, 0.3012



35.9093, 0.3464, 0.3540

# Complementary

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



35.9093, 0.2855, 0.3320



27.4698, 0.3482, 0.3261

# 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.



35.9093, 0.3485, 0.3408



35.9093, 0.2855, 0.3320



35.9093, 0.3250, 0.3109

# Square

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



35.9093, 0.2855, 0.3320



35.9093, 0.2901, 0.2984



35.9093, 0.3405, 0.3252



35.9093, 0.3352, 0.3609



# Rectangle

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



35.9093, 0.2855, 0.3320



35.9093, 0.2784, 0.3067



35.9093, 0.3405, 0.3252



35.9093, 0.3482, 0.3501

# Sweetspot

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



35.9108, 0.2855, 0.3320



69.0498, 0.3040, 0.3299



35.0927, 0.3122, 0.3814



15.0078, 0.3031, 0.3300



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



35.9108, 0.2855, 0.3320



63.9613, 0.2793, 0.3328



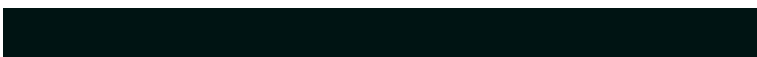
30.9977, 0.2826, 0.3066



8.5240, 0.2995, 0.3304



23.0085, 0.2298, 0.3473



0.5621, 0.2280, 0.3407



# Inverse Universe

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



27.4698, 0.3482, 0.3261



45.5205, 0.3595, 0.3253



31.6707, 0.3465, 0.3504



7.5495, 0.3276, 0.3277



6.3064, 0.6317, 0.3254



0.1557, 0.5962, 0.3058



# Previews

## White Background



This preview shows how the Yxy color 35.9093, 0.2855, 0.3320 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 35.9093, 0.2855, 0.3320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

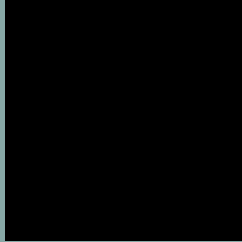
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.9093, 0.2855, 0.3320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.9093, 0.2855, 0.3320.

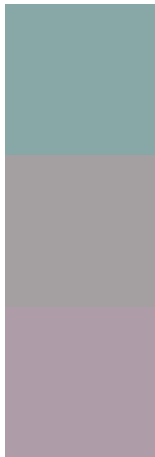


This preview shows how white text looks on a background with the Yxy color 35.9093, 0.2855, 0.3320.

# 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

35.9093, 0.2855, 0.3320

### Protanopia

35.6428, 0.3148, 0.3261

### Deuteranopia

35.6028, 0.3194, 0.3123



## Tritanopia

35.9304, 0.2779, 0.3096

# Trichromacy



## Original Color

35.9093, 0.2855, 0.3320

## Protanomaly

35.6110, 0.3034, 0.3290

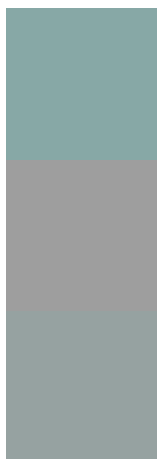
## Deuteranomaly

35.4052, 0.3066, 0.3188

## Tritanomaly

36.0118, 0.2809, 0.3184

# Monochromacy



## Original Color

35.9093, 0.2855, 0.3320

## Achromatopsia

34.1914, 0.3127, 0.3290

## Achromatomaly

34.8979, 0.3024, 0.3305

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.9093, 0.2855, 0.3320 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(135, 168, 166)` looks like.

```
.text, #text, p{  
  color:rgb(135, 168, 166)  
}
```

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(135, 168, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 168, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 35.9093, 0.2855, 0.3320 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(135, 168, 166) }
```

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

```
.border{ border-color:rgb(135, 168, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 168, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 168, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 168, 166);  
box-shadow:4px 4px 4px 4px rgb(135, 168,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.9093, 0.2855, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 168, 166) }
```

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

```
.background{ background-color: rgb(135,  
168, 166) }
```

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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