

# Converting Colors

$Y_{xy}(43.7793, 0.2859, 0.3346)$

Have a look what the booklet for  
Yxy(43.7793, 0.2859, 0.3346)  
contains.

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# Color

**Yxy(43.7793, 0.2859, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93B8B4
RGB	147, 184, 180
RGB Percent	58%, 72%, 71%
CMY	0.4236, 0.2784, 0.2941
CMYK	0.20, 0.00, 0.02, 0.28
HSL	173°, 21%, 65%
HSV	173°, 20%, 72%
XYZ	37.4074, 43.7793, 49.6540
YIQ	172.4810, -20.7680, -9.0880

# Conversions

## Conversions Part 2

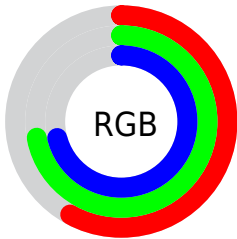
Format	Color
<a href="#">RYB</a>	<a href="#">147, 167, 184</a>
Decimal	<a href="#">9681076</a>
CIELab	<a href="#">72.08, -13.24, -2.08</a>
CIElCh	<a href="#">72, 13.403, 188.929</a>
Yxy	<a href="#">43.7793, 0.2859, 0.3346</a>
Android (android.graphics.Color)	<a href="#">4287871156</a> ( <a href="#">0xFF93B8B4</a> )
YUV	<a href="#">172.4810, 3.7069, -22.3468</a>
Hunter-Lab	<a href="#">66.1659, -14.8742, 1.8221</a>

# Details

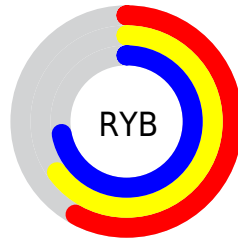
The Yxy color **43.7793, 0.2859, 0.3346** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.2862, 0.3478, 0.3235**, and the grayscale version is **41.4986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9329, 0.2910, 0.3333**, and **20.2517, 0.2789, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **42.1334, 0.2739, 0.3377**, and if you desaturate by 10%, it is **45.7021, 0.2989, 0.3317**.

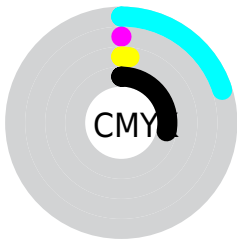
# Distribution



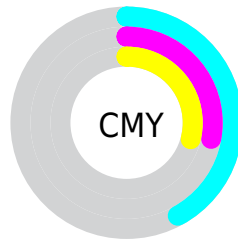
- Red (58%)
- Green (72%)
- Blue (71%)



- Red (58%)
- Yellow (65%)
- Blue (72%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)




- Cyan (42%)
- Magenta (28%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7793, 0.2859, 0.3346 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 43.7793, 0.2859, 0.3346 by changing the saturation by 10% instead.





 43.7793, 0.2859,  
0.3346


 43.7793, 0.2859,  
0.3346


361.8069, 0.2994,  
0.3319

 30.4970, 0.2825,  
0.3353


 80.8855, 0.2908,  
0.3336

 20.2162, 0.2781,  
0.3361


 105.4783, 0.2927,  
0.3332

 12.5523, 0.2723,  
0.3372


134.6100, 0.2942,  
0.3329

 7.1210, 0.2641,  
0.3387

168.6651, 0.2955,  
0.3327

 3.5379, 0.2517,  
0.3408

208.0280, 0.2967,  
0.3324

 1.4186, 0.2310,  
0.3440

253.0829, 0.2977,

 0.2304, 0.0000,

0.3322

0.3676

304.2145, 0.2986,  
0.3320

0.0000, 0.0000,  
0.0000

43.7793, 0.2859,  
0.3346

43.7793, 0.2859,  
0.3346

42.1334, 0.2739,  
0.3377

45.7021, 0.2989,  
0.3317

40.7460, 0.2631,  
0.3411

47.9083, 0.3125,  
0.3290

39.6050, 0.2538,  
0.3446

50.4113, 0.3266,  
0.3266

38.6951, 0.2463,  
0.3482

53.2216, 0.3409,  
0.3245

37.9993, 0.2406,  
0.3519

56.3494, 0.3551,  
0.3226

■ 37.4983, 0.2367,  
0.3557

■ 59.3496, 0.3670,  
0.3209

■ 37.1693, 0.2347,  
0.3594

■ 59.4387, 0.3653,  
0.3188

■ 36.9672, 0.2342,  
0.3630

■ 59.5290, 0.3636,  
0.3167

■ 59.6205, 0.3619,  
0.3146

# Harmonies

## Analogous

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



43.7793, 0.3018, 0.3511



43.7793, 0.2859, 0.3346



43.7793, 0.2772, 0.3170

# Triad

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



43.7793, 0.2859, 0.3346



43.7793, 0.3036, 0.2990



43.7793, 0.3490, 0.3535

# Complementary

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



43.7793, 0.2859, 0.3346



33.2862, 0.3478, 0.3235

# 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.



43.7793, 0.3497, 0.3392



43.7793, 0.2859, 0.3346



43.7793, 0.3230, 0.3083

# Square

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



43.7793, 0.2859, 0.3346



43.7793, 0.2871, 0.2971



43.7793, 0.3400, 0.3228



43.7793, 0.3384, 0.3619



# Rectangle

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



43.7793, 0.2859, 0.3346



43.7793, 0.2764, 0.3073



43.7793, 0.3400, 0.3228



43.7793, 0.3504, 0.3492

# Sweetspot

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



43.7811, 0.2859, 0.3346



84.3837, 0.3043, 0.3306



42.9989, 0.3138, 0.3830



18.1368, 0.3034, 0.3308



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



43.7811, 0.2859, 0.3346



78.0192, 0.2806, 0.3359



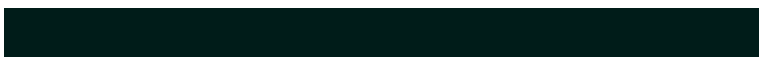
38.3419, 0.2818, 0.3085



10.1934, 0.2999, 0.3315



25.4808, 0.2340, 0.3625



0.9031, 0.2314, 0.3530



# Inverse Universe

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



33.2862, 0.3478, 0.3235



55.6479, 0.3574, 0.3223



37.8478, 0.3483, 0.3486



9.0276, 0.3271, 0.3265



7.0632, 0.6252, 0.3218



0.2543, 0.5769, 0.2951



# Previews

## White Background



This preview shows how the Yxy color 43.7793, 0.2859, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

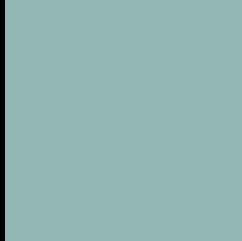
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.7793, 0.2859, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

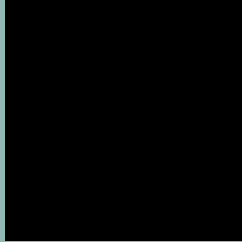
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.7793, 0.2859, 0.3346**

## Background



This preview shows how black text looks on a background with the Yxy color 43.7793, 0.2859, 0.3346.



This preview shows how white text looks on a background with the Yxy color 43.7793, 0.2859, 0.3346.

# 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

43.7793, 0.2859, 0.3346

### Protanopia

43.4584, 0.3171, 0.3290

### Deuteranopia

43.4919, 0.3197, 0.3136



## Tritanopia

43.9254, 0.2769, 0.3097

# Trichromacy



**Original Color**

43.7793, 0.2859, 0.3346

**Protanomaly**

43.3399, 0.3049, 0.3303

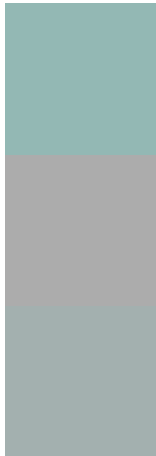
**Deuteranomaly**

43.4267, 0.3062, 0.3210

**Tritanomaly**

43.9742, 0.2804, 0.3192

# Monochromacy



**Original Color**

43.7793, 0.2859, 0.3346

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

41.9323, 0.3023, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.7793, 0.2859, 0.3346 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(147, 184, 180)` looks like.

```
.text, #text, p{  
    color:rgb(147, 184, 180)  
}
```

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(147, 184, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 184, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 43.7793, 0.2859, 0.3346 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(147, 184, 180) }
```

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

```
.border{ border-color:rgb(147, 184, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 184, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 184, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 184, 180);  
box-shadow:4px 4px 4px 4px rgb(147, 184,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.7793, 0.2859, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 184, 180) }
```

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

```
.background{ background-color: rgb(147,  
184, 180) }
```

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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