

Converting Colors

$Y_{xy}(39.7401, 0.2734, 0.3321)$

Have a look what the booklet for
Yxy(39.7401, 0.2734, 0.3321)
contains.

Yxy(39.8868, 0.2734, 0.3334)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8868, 0.2734, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	7FB3B0
RGB	127, 179, 176
RGB Percent	50%, 70%, 69%
CMY	0.5019, 0.2980, 0.3099
CMYK	0.29, 0.00, 0.02, 0.30
HSL	177°, 25%, 60%
HSV	177°, 29%, 70%
XYZ	32.7086, 39.8868, 47.0411
YIQ	163.1100, -30.0290, -11.9570

Conversions

Conversions Part 2

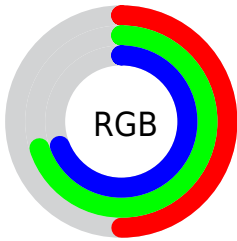
Format	Color
RYB	127, 154, 179
Decimal	8369072
CIELab	69.39, -17.67, -3.97
CIElCh	69, 18.112, 192.669
Yxy	39.8868, 0.2734, 0.3334
Android (android.graphics.Color)	4286559152 (0xFF7FB3B0)
YUV	163.1100, 6.3548, -31.6685
Hunter-Lab	63.1560, -18.0775, 0.0477

Details

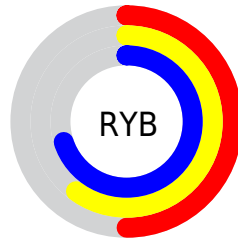
The Yxy color **39.8868, 0.2734, 0.3334** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.3780, 0.3720, 0.3248**, and the grayscale version is **36.6618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0666, 0.2804, 0.3323**, and **17.8728, 0.2609, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **38.5928, 0.2620, 0.3351**, and if you desaturate by 10%, it is **41.4285, 0.2861, 0.3318**.

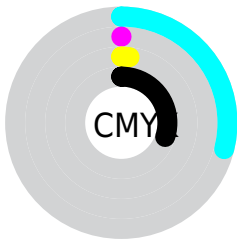
Distribution



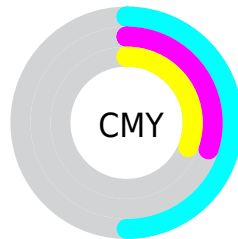
- Red (50%)
- Green (70%)
- Blue (69%)



- Red (50%)
- Yellow (60%)
- Blue (70%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)




- Cyan (50%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8868, 0.2734, 0.3334 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 39.8868, 0.2734, 0.3334 by changing the saturation by 10% instead.


 39.8868, 0.2734,
0.3334


 39.8868, 0.2734,
0.3334


345.6462, 0.2934,
0.3314


 27.4503, 0.2683,
0.3338


 74.9911, 0.2807,
0.3327

 17.9117, 0.2617,
0.3344


 98.4277, 0.2835,
0.3324

 10.8866, 0.2528,
0.3350


 126.2998, 0.2858,
0.3322

 5.9906, 0.2402,
0.3357

158.9917, 0.2877,
0.3320

 2.8394, 0.2210,
0.3364

196.8880, 0.2894,
0.3318

 1.0485, 0.1803,
0.3397

240.3728, 0.2909,

 0.0000, 0.0000,

0.3317

0.0000

289.8308, 0.2922,
0.3315

■ 39.8868, 0.2734,
0.3334

■ 39.8868, 0.2734,
0.3334

■ 38.5928, 0.2620,
0.3351

■ 41.4285, 0.2861,
0.3318

■ 37.5288, 0.2522,
0.3370

■ 43.2251, 0.2997,
0.3303

■ 36.6822, 0.2441,
0.3388

■ 45.2893, 0.3141,
0.3289

■ 36.0374, 0.2378,
0.3407

■ 47.6317, 0.3289,
0.3276

■ 35.5766, 0.2334,
0.3427

■ 50.2623, 0.3440,
0.3265

■ 35.2791, 0.2308,
0.3446

■ 53.1904, 0.3590,
0.3255

■ 35.1064, 0.2297,
0.3465

■ 56.4252, 0.3738,
0.3247

■ 35.0916, 0.2296,
0.3466

■ 56.9748, 0.3752,
0.3236

■ 57.0186, 0.3742,
0.3225

Harmonies

Analogous

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



39.8868, 0.2942, 0.3576



39.8868, 0.2734, 0.3334



39.8868, 0.2630, 0.3091

Triad

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



39.8868, 0.2734, 0.3334



39.8868, 0.3031, 0.2890



39.8868, 0.3622, 0.3648

Complementary

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



39.8868, 0.2734, 0.3334



26.3780, 0.3720, 0.3248

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.



39.8868, 0.3651, 0.3453



39.8868, 0.2734, 0.3334



39.8868, 0.3302, 0.3027

Square

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



39.8868, 0.2734, 0.3334



39.8868, 0.2795, 0.2848



39.8868, 0.3532, 0.3229



39.8868, 0.3456, 0.3757

Rectangle

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



39.8868, 0.2734, 0.3334



39.8868, 0.2631, 0.2964



39.8868, 0.3532, 0.3229



39.8868, 0.3648, 0.3590

Sweetspot

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



39.8884, 0.2734, 0.3334



77.3751, 0.2996, 0.3303



38.5578, 0.3117, 0.4112



17.0333, 0.2976, 0.3305



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



39.8884, 0.2734, 0.3334



69.8693, 0.2658, 0.3345



31.7037, 0.2677, 0.2941



9.6229, 0.2993, 0.3303



24.7997, 0.2296, 0.3464



0.7829, 0.2281, 0.3411

Inverse Universe

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



26.3780, 0.3720, 0.3248



41.6285, 0.3912, 0.3238



32.7831, 0.3667, 0.3615



8.5130, 0.3278, 0.3277



6.7918, 0.6325, 0.3258



0.2163, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 39.8868, 0.2734, 0.3334 looks on a white background.

Color Contrast Check

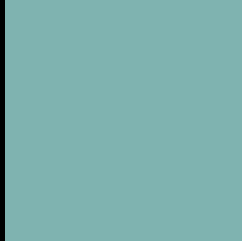
Large Text (above 18pt) WCAG AA × Fail

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 39.8868, 0.2734, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

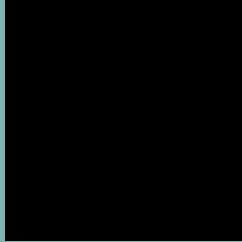
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8868, 0.2734, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 39.8868, 0.2734, 0.3334.

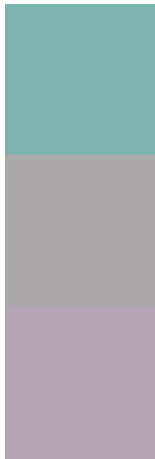


This preview shows how white text looks on a background with the Yxy color 39.8868, 0.2734, 0.3334.

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

39.8868, 0.2734, 0.3334

Protanopia

39.5655, 0.3138, 0.3262

Deuteranopia

39.6293, 0.3155, 0.3090



Tritanopia

39.9517, 0.2652, 0.3086

Trichromacy



Original Color

39.8868, 0.2734, 0.3334

Protanomaly

39.4522, 0.2978, 0.3290

Deuteranomaly

39.1674, 0.2982, 0.3163

Tritanomaly

40.0531, 0.2679, 0.3171

Monochromacy



Original Color

39.8868, 0.2734, 0.3334

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.6871, 0.2966, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8868, 0.2734, 0.3334 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(127, 179, 176)` looks like.

```
.text, #text, p{  
    color:rgb(127, 179, 176)  
}
```

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(127, 179, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 179, 176) }
```

Border

The CSS property to change the border of an element to Yxy 39.8868, 0.2734, 0.3334 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(127, 179, 176) }
```

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

```
.border{ border-color:rgb(127, 179, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 179, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 179, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 179, 176);  
box-shadow:4px 4px 4px 4px rgb(127, 179,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8868, 0.2734, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 179, 176) }
```

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

```
.background{ background-color: rgb(127,  
179, 176) }
```

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