

Converting Colors

$Yxy(39.7112, 0.2734, 0.3407)$

Have a look what the booklet for
Yxy(39.7112, 0.2734, 0.3407)
contains.

Yxy(39.8320, 0.2734, 0.3410)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8320, 0.2734, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	7BB4AC
RGB	123, 180, 172
RGB Percent	48%, 71%, 67%
CMY	0.5177, 0.2941, 0.3254
CMYK	0.32, 0.00, 0.04, 0.29
HSL	172°, 28%, 59%
HSV	172°, 32%, 71%
XYZ	31.9357, 39.8320, 45.0417
YIQ	162.0450, -31.4040, -14.5720

Conversions

Conversions Part 2

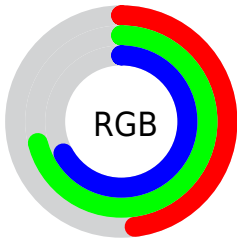
Format	Color
RYB	123, 154, 180
Decimal	8107180
CIELab	69.35, -20.28, -1.87
CIElCh	69, 20.370, 185.258
Yxy	39.8320, 0.2734, 0.3410
Android (android.graphics.Color)	4286297260 (0xFF7BB4AC)
YUV	162.0450, 4.9078, -34.2425
Hunter-Lab	63.1126, -20.1240, 1.8652

Details

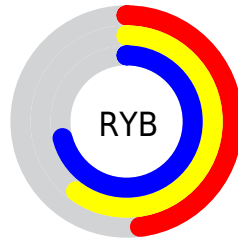
The Yxy color **39.8320, 0.2734, 0.3410** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **25.5052, 0.3735, 0.3176**, and the grayscale version is **36.1411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8841, 0.2808, 0.3392**, and **17.8744, 0.2613, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **38.5300, 0.2631, 0.3454**, and if you desaturate by 10%, it is **41.3831, 0.2849, 0.3369**.

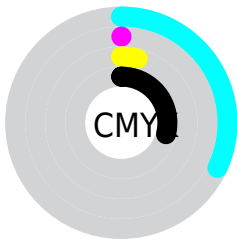
Distribution



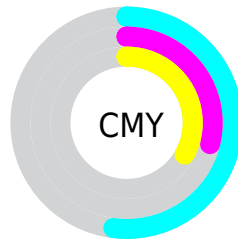
- Red (48%)
- Green (71%)
- Blue (67%)



- Red (48%)
- Yellow (60%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)





- Cyan (52%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8320, 0.2734, 0.3410 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 39.8320, 0.2734, 0.3410 by changing the saturation by 10% instead.


 39.8320, 0.2734,
0.3410


 39.8320, 0.2734,
0.3410


345.4150, 0.2935,
0.3350


 27.4076, 0.2683,
0.3425


 74.9076, 0.2808,
0.3388

 17.8796, 0.2616,
0.3444


 98.3276, 0.2835,
0.3380

 10.8636, 0.2526,
0.3470


 126.1816, 0.2858,
0.3373

 5.9752, 0.2398,
0.3505

158.8539, 0.2878,
0.3367

 2.8300, 0.2203,
0.3557

196.7291, 0.2895,
0.3362

 1.0436, 0.1732,
0.3700

240.1913, 0.2910,

 0.0000, 0.0000,

0.3357

0.0000

289.6252, 0.2923,
0.3353

■ 39.8320, 0.2734,
0.3410

■ 39.8320, 0.2734,
0.3410

■ 38.5300, 0.2631,
0.3454

■ 41.3831, 0.2849,
0.3369

■ 37.4589, 0.2544,
0.3500

■ 43.1909, 0.2973,
0.3331

■ 36.6056, 0.2473,
0.3548


■ 45.2686, 0.3105,
0.3296

■ 35.9538, 0.2421,
0.3597


■ 47.6270, 0.3240,
0.3264


■ 35.4846, 0.2388,
0.3646

■ 50.2762, 0.3377,
0.3236


 35.1760, 0.2373,
0.3694

 53.2262, 0.3514,
0.3211

 35.0035, 0.2371,
0.3735

 56.4860, 0.3649,
0.3189

 57.7187, 0.3679,
0.3164

 57.8316, 0.3656,
0.3138

Harmonies

Analogous

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



39.8320, 0.2988, 0.3670



39.8320, 0.2734, 0.3410



39.8320, 0.2586, 0.3126

Triad

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



39.8320, 0.2734, 0.3410



39.8320, 0.2946, 0.2820



39.8320, 0.3708, 0.3642

Complementary

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



39.8320, 0.2734, 0.3410



25.5052, 0.3735, 0.3176

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.



39.8320, 0.3700, 0.3409



39.8320, 0.2734, 0.3410



39.8320, 0.3248, 0.2949

Square

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



39.8320, 0.2734, 0.3410



39.8320, 0.2704, 0.2802



39.8320, 0.3528, 0.3160



39.8320, 0.3554, 0.3797

Rectangle

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



39.8320, 0.2734, 0.3410



39.8320, 0.2564, 0.2970



39.8320, 0.3528, 0.3160



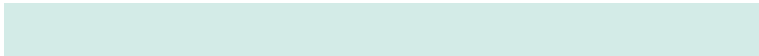
39.8320, 0.3724, 0.3570

Sweetspot

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



39.8336, 0.2734, 0.3410



78.8446, 0.2993, 0.3325



38.9428, 0.3155, 0.4188



16.9348, 0.2975, 0.3330



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.



39.8336, 0.2734, 0.3410



70.5285, 0.2661, 0.3440



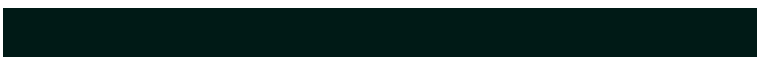
32.6643, 0.2644, 0.2980



9.6107, 0.3004, 0.3322



24.4364, 0.2369, 0.3729



0.7745, 0.2332, 0.3593

Inverse Universe

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



25.5052, 0.3735, 0.3176



40.4501, 0.3932, 0.3150



30.7619, 0.3748, 0.3579



8.5240, 0.3266, 0.3258



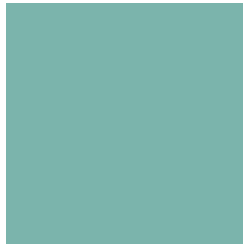
6.8281, 0.6188, 0.3183



0.2209, 0.5577, 0.2846

Previews

White Background



This preview shows how the Yxy color 39.8320, 0.2734, 0.3410 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 39.8320, 0.2734, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

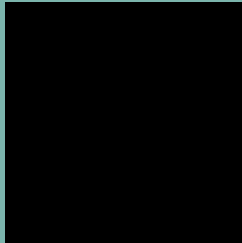
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

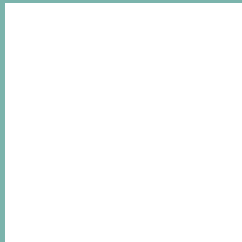
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8320, 0.2734, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 39.8320, 0.2734, 0.3410.

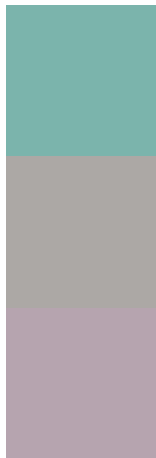


This preview shows how white text looks on a background with the Yxy color 39.8320, 0.2734, 0.3410.

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

39.8320, 0.2734, 0.3410

Protanopia

39.4925, 0.3190, 0.3332

Deuteranopia

39.5911, 0.3200, 0.3143



Tritanopia

39.7179, 0.2631, 0.3084

Trichromacy



Original Color

39.8320, 0.2734, 0.3410

Protanomaly

39.2022, 0.3001, 0.3347

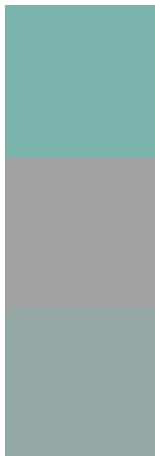
Deuteranomaly

39.3825, 0.3014, 0.3233

Tritanomaly

39.7371, 0.2672, 0.3200

Monochromacy



Original Color

39.8320, 0.2734, 0.3410

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.4250, 0.2965, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8320, 0.2734, 0.3410 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(123, 180, 172)` looks like.

```
.text, #text, p{  
    color:rgb(123, 180, 172)  
}
```

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(123, 180, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 180, 172) }
```

Border

The CSS property to change the border of an element to Yxy 39.8320, 0.2734, 0.3410 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(123, 180, 172) }
```

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

```
.border{ border-color:rgb(123, 180, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 180, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 180, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 180, 172);  
box-shadow:4px 4px 4px 4px rgb(123, 180,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8320, 0.2734, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 180, 172) }
```

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

```
.background{ background-color: rgb(123,  
180, 172) }
```

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