

Converting Colors

$Y_{xy}(37.5495, 0.2439, 0.3384)$

Have a look what the booklet for
Yxy(37.5495, 0.2439, 0.3384)
contains.

Yxy(37.5987, 0.2439, 0.3385)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5987, 0.2439, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	4AB5AF
RGB	74, 181, 175
RGB Percent	29%, 71%, 69%
CMY	0.7094, 0.2902, 0.3137
CMYK	0.59, 0.00, 0.03, 0.29
HSL	177°, 42%, 50%
HSV	177°, 59%, 71%
XYZ	27.0911, 37.5987, 46.3847
YIQ	148.3230, -61.8460, -24.5500

Conversions

Conversions Part 2

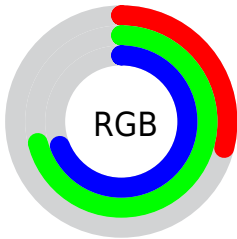
Format	Color
RYB	74, 129, 181
Decimal	4896175
CIELab	67.72, -31.83, -6.14
CIELCh	68, 32.412, 190.914
Yxy	37.5987, 0.2439, 0.3385
Android (android.graphics.Color)	4283086255 (0xFF4AB5AF)
YUV	148.3230, 13.1518, -65.1813
Hunter-Lab	61.3178, -28.4423, -1.9283

Details

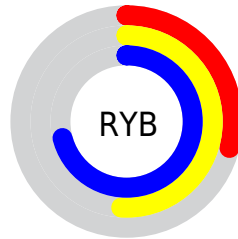
The Yxy color **37.5987, 0.2439, 0.3385** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.3150, 0.4821, 0.3215**, and the grayscale version is **29.7311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2681, 0.2567, 0.3373**, and **16.8684, 0.2279, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **36.9413, 0.2376, 0.3403**, and if you desaturate by 10%, it is **38.4660, 0.2520, 0.3367**.

Distribution



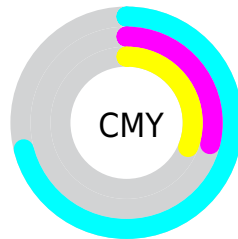
- Red (29%)
- Green (71%)
- Blue (69%)



- Red (29%)
- Yellow (51%)
- Blue (71%)



- Cyan (59%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)




- Cyan (71%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5987, 0.2439, 0.3385 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 37.5987, 0.2439, 0.3385 by changing the saturation by 10% instead.


 37.5987, 0.2439,
0.3385


 37.5987, 0.2439,
0.3385


335.8954, 0.2789,
0.3343

 25.6714, 0.2350,
0.3394


 71.4926, 0.2567,
0.3371


 16.5780, 0.2235,
0.3403


 94.2280, 0.2615,
0.3365


 9.9340, 0.2082,
0.3413


 121.3349, 0.2656,
0.3360

 5.3552, 0.1867,
0.3422

 153.1977, 0.2690,
0.3356

 2.4572, 0.1549,
0.3420

 190.2007, 0.2720,
0.3352

 0.8551, 0.0155,
0.3706

232.7284, 0.2746,

 0.0000, 0.0000,

0.3349

0.0000

281.1651, 0.2769,
0.3346

■ 37.5987, 0.2439,
0.3385

■ 37.5987, 0.2439,
0.3385

■ 36.9413, 0.2376,
0.3403

■ 38.4660, 0.2520,
0.3367

■ 36.4712, 0.2332,
0.3422

■ 39.5550, 0.2619,
0.3349

■ 36.1685, 0.2307,
0.3441

■ 40.8816, 0.2733,
0.3333

■ 35.9940, 0.2295,
0.3459

■ 42.4592, 0.2860,
0.3317

■ 35.9793, 0.2295,
0.3460

■ 44.3000, 0.2997,
0.3302

■ 46.4155, 0.3141,
0.3289

■ 48.8166, 0.3290,
0.3277

■ 51.5134, 0.3440,
0.3266

■ 54.5157, 0.3591,
0.3257

Harmonies

Analogous

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



37.5987, 0.2807, 0.3854



37.5987, 0.2439, 0.3385



37.5987, 0.2255, 0.2930

Triad

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



37.5987, 0.2439, 0.3385



37.5987, 0.2915, 0.2584



37.5987, 0.4035, 0.3892

Complementary

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



37.5987, 0.2439, 0.3385



15.3150, 0.4821, 0.3215

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.



37.5987, 0.4085, 0.3530



37.5987, 0.2439, 0.3385



37.5987, 0.3409, 0.2809

Square

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



37.5987, 0.2439, 0.3385



37.5987, 0.2513, 0.2513



37.5987, 0.3851, 0.3144



37.5987, 0.3733, 0.4135

Rectangle

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



37.5987, 0.2439, 0.3385



37.5987, 0.2250, 0.2706



37.5987, 0.3851, 0.3144



37.5987, 0.4084, 0.3779

Sweetspot

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



37.6001, 0.2439, 0.3385



76.2823, 0.2870, 0.3316



35.3005, 0.3084, 0.5141



16.2995, 0.2832, 0.3320



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.



37.6001, 0.2439, 0.3385



65.8682, 0.2361, 0.3409



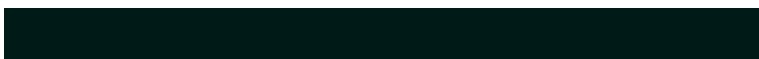
22.0332, 0.2230, 0.2483



9.6232, 0.2993, 0.3303



24.8088, 0.2294, 0.3458



0.7831, 0.2280, 0.3407

Inverse Universe

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



15.3150, 0.4821, 0.3215



22.2737, 0.5424, 0.3217



23.8536, 0.4466, 0.3937



8.5127, 0.3278, 0.3278



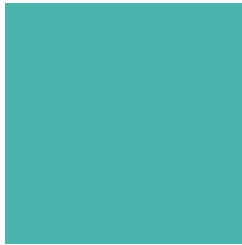
6.7911, 0.6327, 0.3259



0.2162, 0.6034, 0.3098

Previews

White Background



This preview shows how the Yxy color 37.5987, 0.2439, 0.3385 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 37.5987, 0.2439, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

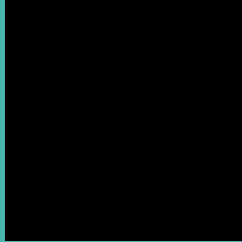
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5987, 0.2439, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 37.5987, 0.2439, 0.3385.

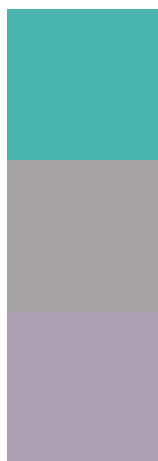


This preview shows how white text looks on a background with the Yxy color 37.5987, 0.2439, 0.3385.

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

37.5987, 0.2439, 0.3385

Protanopia

36.9817, 0.3147, 0.3276

Deuteranopia

36.9758, 0.3075, 0.3002



Tritanopia

37.4404, 0.2362, 0.3056

Trichromacy



Original Color

37.5987, 0.2439, 0.3385

Protanomaly

36.5631, 0.2825, 0.3320

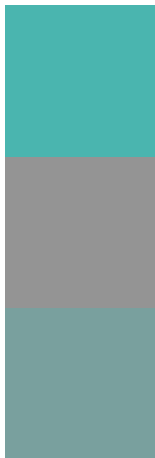
Deuteranomaly

36.1702, 0.2779, 0.3125

Tritanomaly

37.4051, 0.2389, 0.3177

Monochromacy



Original Color

37.5987, 0.2439, 0.3385

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.6752, 0.2792, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5987, 0.2439, 0.3385 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(74, 181, 175)` looks like.

```
.text, #text, p{  
    color:rgb(74, 181, 175)  
}
```

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(74, 181, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 181, 175) }
```

Border

The CSS property to change the border of an element to Yxy 37.5987, 0.2439, 0.3385 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(74, 181, 175) }
```

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

```
.border{ border-color:rgb(74, 181, 175) }
```

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

Here you see how a box with a 4 pixel rgb(74, 181, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 181, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 181, 175);  
box-shadow:4px 4px 4px 4px rgb(74, 181,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5987, 0.2439, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 181, 175) }
```

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

```
.background{ background-color: rgb(74, 181,  
175) }
```

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