

Converting Colors

$Yxy(39.8457, 0.2456, 0.3460)$

Have a look what the booklet for
Yxy(39.8457, 0.2456, 0.3460)
contains.

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Color

Yxy(39.7483, 0.2454, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	4BBAB0
RGB	75, 186, 176
RGB Percent	29%, 73%, 69%
CMY	0.7059, 0.2706, 0.3097
CMYK	0.60, 0.00, 0.05, 0.27
HSL	175°, 45%, 51%
HSV	175°, 60%, 73%
XYZ	28.2977, 39.7483, 47.2667
YIQ	151.6710, -62.9460, -26.6420

Conversions

Conversions Part 2

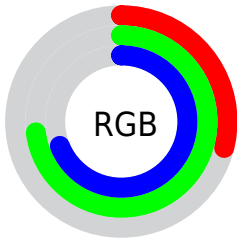
Format	Color
RYB	75, 133, 186
Decimal	4962992
CIELab	69.29, -33.76, -4.38
CIELCh	69, 34.045, 187.399
Yxy	39.7483, 0.2454, 0.3447
Android (android.graphics.Color)	4283153072 (0xFF4BBAB0)
YUV	151.6710, 11.9942, -67.2405
Hunter-Lab	63.0463, -30.2128, -0.3182

Details

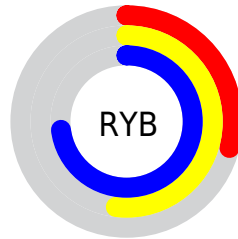
The Yxy color **39.7483, 0.2454, 0.3447** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **16.1251, 0.4790, 0.3165**, and the grayscale version is **31.2177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0783, 0.2578, 0.3420**, and **17.9578, 0.2297, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **39.0407, 0.2395, 0.3477**, and if you desaturate by 10%, it is **40.6790, 0.2532, 0.3417**.

Distribution



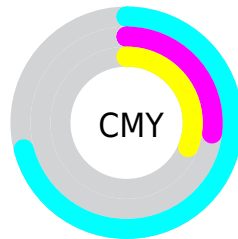
- Red (29%)
- Green (73%)
- Blue (69%)



- Red (29%)
- Yellow (52%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)



- Cyan (71%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7483, 0.2454, 0.3447 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 39.7483, 0.2454, 0.3447 by changing the saturation by 10% instead.

 39.7483, 0.2454,
0.3447


 39.7483, 0.2454,
0.3447


345.0616, 0.2794,
0.3372


 27.3424, 0.2368,
0.3464


 74.7801, 0.2578,
0.3421

 17.8305, 0.2258,
0.3486


 98.1747, 0.2625,
0.3411

 10.8284, 0.2111,
0.3512


 126.0010, 0.2664,
0.3402

 5.9515, 0.1906,
0.3546

 158.6434, 0.2698,
0.3394

 2.8156, 0.1605,
0.3585

196.4862, 0.2727,
0.3388

 1.0363, 0.0569,
0.3847

239.9140, 0.2752,

 0.0000, 0.0000,

0.3382

0.0000

289.3109, 0.2774,
0.3377

■ 39.7483, 0.2454,
0.3447

■ 39.7483, 0.2454,
0.3447

■ 39.0407, 0.2395,
0.3477

■ 40.6790, 0.2532,
0.3417

■ 38.5318, 0.2355,
0.3508

■ 41.8456, 0.2627,
0.3388

■ 38.1999, 0.2333,
0.3538

■ 43.2651, 0.2737,
0.3361

■ 38.0000, 0.2325,
0.3568

■ 44.9520, 0.2860,
0.3335

■ 37.9942, 0.2325,
0.3569

■ 46.9193, 0.2992,
0.3311

■ 49.1794, 0.3132,
0.3289

■ 51.7440, 0.3275,
0.3270

■ 54.6240, 0.3421,
0.3252

■ 57.8299, 0.3566,
0.3236

Harmonies

Analogous

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



39.7483, 0.2850, 0.3921



39.7483, 0.2454, 0.3447



39.7483, 0.2242, 0.2966

Triad

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



39.7483, 0.2454, 0.3447



39.7483, 0.2852, 0.2547



39.7483, 0.4084, 0.3869

Complementary

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



39.7483, 0.2454, 0.3447



16.1251, 0.4790, 0.3165

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.



39.7483, 0.4102, 0.3488



39.7483, 0.2454, 0.3447



39.7483, 0.3357, 0.2761

Square

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



39.7483, 0.2454, 0.3447



39.7483, 0.2457, 0.2494



39.7483, 0.3828, 0.3095



39.7483, 0.3797, 0.4141

Rectangle

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



39.7483, 0.2454, 0.3447



39.7483, 0.2219, 0.2722



39.7483, 0.3828, 0.3095



39.7483, 0.4123, 0.3748

Sweetspot

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



39.7498, 0.2454, 0.3447



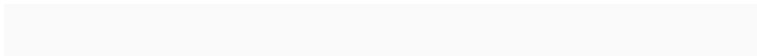
81.9393, 0.2877, 0.3332



37.6094, 0.3106, 0.5152



17.8313, 0.2840, 0.3339



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.7498, 0.2454, 0.3447



70.3985, 0.2379, 0.3488



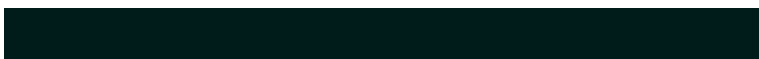
24.2667, 0.2235, 0.2537



10.1963, 0.2997, 0.3310



25.5662, 0.2324, 0.3565



0.9054, 0.2302, 0.3487

Inverse Universe

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



16.1251, 0.4790, 0.3165



23.6676, 0.5398, 0.3167



24.2346, 0.4525, 0.3893



9.0250, 0.3274, 0.3270



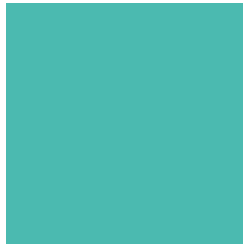
7.0548, 0.6282, 0.3234



0.2531, 0.5865, 0.3005

Previews

White Background



This preview shows how the Yxy color 39.7483, 0.2454, 0.3447 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 39.7483, 0.2454, 0.3447 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

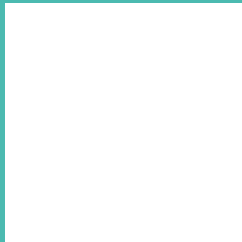
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7483, 0.2454, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 39.7483, 0.2454, 0.3447.

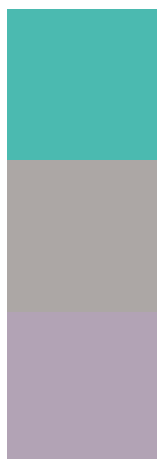


This preview shows how white text looks on a background with the Yxy color 39.7483, 0.2454, 0.3447.

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

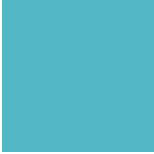
39.7483, 0.2454, 0.3447

Protanopia

39.1247, 0.3191, 0.3318

Deuteranopia

38.9956, 0.3111, 0.3048



Tritanopia

39.8290, 0.2366, 0.3061

Trichromacy



Original Color

39.7483, 0.2454, 0.3447



Protanomaly

38.4550, 0.2853, 0.3364



Deuteranomaly

38.0432, 0.2808, 0.3172



Tritanomaly

39.7480, 0.2398, 0.3195

Monochromacy



Original Color

39.7483, 0.2454, 0.3447



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.4092, 0.2799, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7483, 0.2454, 0.3447 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(75, 186, 176)` looks like.

```
.text, #text, p{  
    color:rgb(75, 186, 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(75, 186, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 186, 176) }
```

Border

The CSS property to change the border of an element to Yxy 39.7483, 0.2454, 0.3447 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(75, 186, 176) }
```

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

```
.border{ border-color:rgb(75, 186, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 186, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 186, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 186, 176);  
box-shadow:4px 4px 4px 4px rgb(75, 186,  
176) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.7483, 0.2454, 0.3447$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 186, 176) }
```

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

```
.background{ background-color: rgb(75, 186,  
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](#).

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