

Converting Colors

$Yxy(39.6688, 0.2455, 0.3464)$

Have a look what the booklet for
Yxy(39.6688, 0.2455, 0.3464)
contains.

Yxy(39.6688, 0.2455, 0.3464)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.6688, 0.2455, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	4ABAAF
RGB	74, 186, 175
RGB Percent	29%, 73%, 69%
CMY	0.7103, 0.2705, 0.3137
CMYK	0.60, 0.00, 0.06, 0.27
HSL	174°, 45%, 51%
HSV	174°, 60%, 73%
XYZ	28.1140, 39.6688, 46.7345
YIQ	151.2580, -63.2210, -27.1650

Conversions

Conversions Part 2

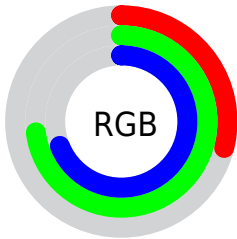
Format	Color
RYB	74, 133, 186
Decimal	4897455
CIELab	69.23, -34.24, -3.91
CIElCh	69, 34.463, 186.518
Yxy	39.6688, 0.2455, 0.3464
Android (android.graphics.Color)	4283087535 (0xFF4ABA AF)
YUV	151.2580, 11.7048, -67.7553
Hunter-Lab	62.9832, -30.5429, 0.0941

Details

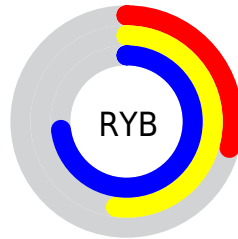
The Yxy color **39.6688, 0.2455, 0.3464** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.9766, 0.4801, 0.3153**, and the grayscale version is **31.0204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8827, 0.2583, 0.3444**, and **17.9326, 0.2304, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **38.9681, 0.2397, 0.3497**, and if you desaturate by 10%, it is **40.5917, 0.2531, 0.3431**.

Distribution



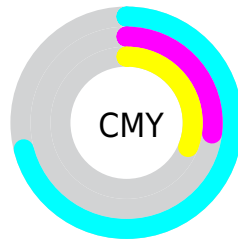
- Red (29%)
- Green (73%)
- Blue (69%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6688, 0.2455, 0.3464 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 39.6688, 0.2455, 0.3464 by changing the saturation by 10% instead.


 39.6688, 0.2455,
0.3464


 39.6688, 0.2455,
0.3464

344.7256, 0.2795,
0.3380


 27.2804, 0.2369,
0.3484


 74.6589, 0.2579,
0.3434

 17.7839, 0.2259,
0.3508


 98.0294, 0.2626,
0.3423


 10.7950, 0.2112,
0.3540


 125.8294, 0.2665,
0.3413

 5.9291, 0.1906,
0.3580

 158.4433, 0.2699,
0.3405

 2.8020, 0.1603,
0.3630

 196.2555, 0.2728,
0.3397

 1.0293, 0.0519,
0.3935

239.6503, 0.2753,

 0.0000, 0.0000,

0.3391

0.0000

289.0122, 0.2775,
0.3385

■ 39.6688, 0.2455,
0.3464

■ 39.6688, 0.2455,
0.3464

■ 38.9681, 0.2397,
0.3497

■ 40.5917, 0.2531,
0.3431

■ 38.4650, 0.2359,
0.3531

■ 41.7496, 0.2624,
0.3400

■ 38.1376, 0.2339,
0.3564

■ 43.1599, 0.2733,
0.3369

■ 37.9418, 0.2332,
0.3596

■ 44.8367, 0.2854,
0.3341

■ 46.7936, 0.2985,
0.3315

■ 49.0427, 0.3123,
0.3291

■ 51.5958, 0.3266,
0.3269

■ 54.4639, 0.3410,
0.3249

■ 57.6574, 0.3554,
0.3232

Harmonies

Analogous

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



39.6688, 0.2860, 0.3942



39.6688, 0.2455, 0.3464



39.6688, 0.2234, 0.2974

Triad

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



39.6688, 0.2455, 0.3464



39.6688, 0.2835, 0.2534



39.6688, 0.4101, 0.3865

Complementary

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



39.6688, 0.2455, 0.3464



15.9766, 0.4801, 0.3153

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.



39.6688, 0.4110, 0.3477



39.6688, 0.2455, 0.3464



39.6688, 0.3344, 0.2747

Square

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



39.6688, 0.2455, 0.3464



39.6688, 0.2439, 0.2486



39.6688, 0.3826, 0.3081



39.6688, 0.3816, 0.4146

Rectangle

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



39.6688, 0.2455, 0.3464



39.6688, 0.2207, 0.2724



39.6688, 0.3826, 0.3081



39.6688, 0.4138, 0.3742

Sweetspot

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



39.6703, 0.2455, 0.3464



81.9180, 0.2879, 0.3336



37.5524, 0.3105, 0.5171



17.8259, 0.2842, 0.3344



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.



39.6703, 0.2455, 0.3464



70.3191, 0.2384, 0.3507



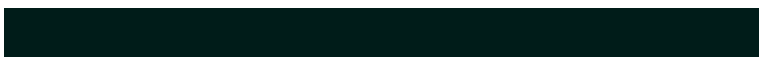
24.0941, 0.2227, 0.2528



10.1950, 0.2998, 0.3312



25.5279, 0.2331, 0.3592



0.9044, 0.2307, 0.3506

Inverse Universe

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



15.9766, 0.4801, 0.3153



23.6904, 0.5378, 0.3154



24.0641, 0.4543, 0.3898



9.0262, 0.3273, 0.3268



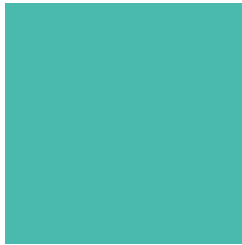
7.0584, 0.6269, 0.3227



0.2536, 0.5822, 0.2981

Previews

White Background



This preview shows how the Yxy color 39.6688, 0.2455, 0.3464 looks on a white background.

Color Contrast Check

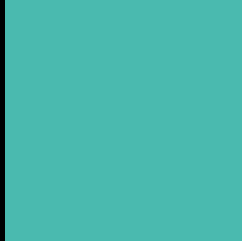
Large Text (above 18pt) WCAG AA × Fail

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 39.6688, 0.2455, 0.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

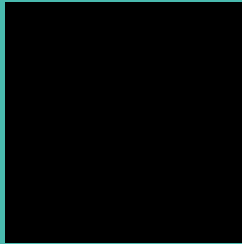
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

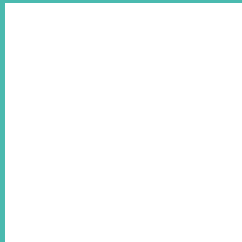
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6688, 0.2455, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 39.6688, 0.2455, 0.3464.

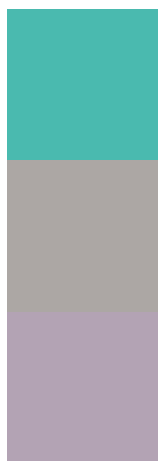


This preview shows how white text looks on a background with the Yxy color 39.6688, 0.2455, 0.3464.

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

39.6688, 0.2455, 0.3464

Protanopia

39.0884, 0.3199, 0.3332

Deuteranopia

39.0734, 0.3129, 0.3062



Tritanopia

39.7372, 0.2367, 0.3076

Trichromacy



Original Color

39.6688, 0.2455, 0.3464

Protanomaly

38.3335, 0.2853, 0.3379

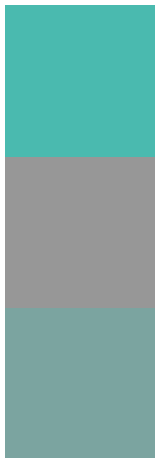
Deuteranomaly

38.0029, 0.2816, 0.3186

Tritanomaly

39.6606, 0.2399, 0.3211

Monochromacy



Original Color

39.6688, 0.2455, 0.3464

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

33.2999, 0.2798, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6688, 0.2455, 0.3464 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, 186, 175)` looks like.

```
.text, #text, p{  
    color:rgb(74, 186, 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, 186, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 186, 175) }
```

Border

The CSS property to change the border of an element to Yxy 39.6688, 0.2455, 0.3464 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, 186, 175) }
```

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

```
.border{ border-color:rgb(74, 186, 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, 186, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 186, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 186, 175);  
box-shadow:4px 4px 4px 4px rgb(74, 186,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6688, 0.2455, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 186, 175) }
```

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

```
.background{ background-color: rgb(74, 186,  
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