

Converting Colors

$Yxy(39.8313, 0.2616, 0.3450)$

Have a look what the booklet for
Yxy(39.8313, 0.2616, 0.3450)
contains.

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Color

Yxy(39.8874, 0.2616, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	69B7AD
RGB	105, 183, 173
RGB Percent	41%, 72%, 68%
CMY	0.5884, 0.2823, 0.3216
CMYK	0.43, 0.00, 0.05, 0.28
HSL	172°, 35%, 56%
HSV	172°, 43%, 72%
XYZ	30.2977, 39.8874, 45.6319
YIQ	158.5380, -43.2780, -19.6460

Conversions

Conversions Part 2

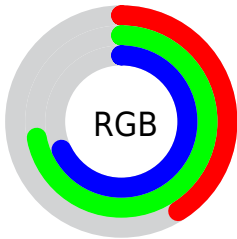
Format	Color
RYB	105, 147, 183
Decimal	6928301
CIELab	69.39, -26.50, -2.45
CIELCh	69, 26.615, 185.274
Yxy	39.8874, 0.2616, 0.3444
Android (android.graphics.Color)	4285118381 (0xFF69B7AD)
YUV	158.5380, 7.1298, -46.9528
Hunter-Lab	63.1565, -24.8929, 1.3712

Details

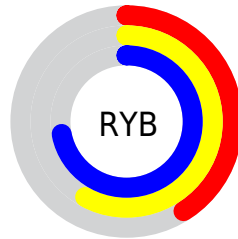
The Yxy color **39.8874, 0.2616, 0.3444** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.4016, 0.4072, 0.3149**, and the grayscale version is **34.4276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8080, 0.2712, 0.3418**, and **17.9987, 0.2462, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **38.8078, 0.2529, 0.3486**, and if you desaturate by 10%, it is **41.2102, 0.2718, 0.3404**.

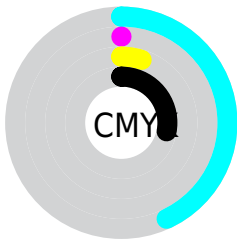
Distribution



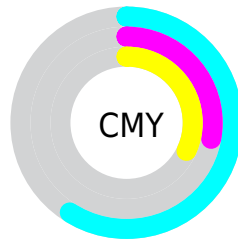
- Red (41%)
- Green (72%)
- Blue (68%)



- Red (41%)
- Yellow (58%)
- Blue (72%)



- Cyan (43%)
- Magenta (0%)
- Yellow (5%)
- Black (28%)




- Cyan (59%)
- Magenta (28%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8874, 0.2616, 0.3444 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 39.8874, 0.2616, 0.3444 by changing the saturation by 10% instead.


 39.8874, 0.2616,
0.3444


 39.8874, 0.2616,
0.3444


345.6488, 0.2876,
0.3368


 27.4508, 0.2550,
0.3463


 74.9920, 0.2711,
0.3416


 17.9120, 0.2464,
0.3487


 98.4288, 0.2747,
0.3406

 10.8869, 0.2349,
0.3518

 126.3011, 0.2777,
0.3397

 5.9908, 0.2187,
0.3561

 158.9932, 0.2802,
0.3390

 2.8395, 0.1942,
0.3622

196.8897, 0.2825,
0.3383

 1.0485, 0.1247,
0.3836

240.3748, 0.2844,

 0.0000, 0.0000,

0.3377

0.0000

289.8331, 0.2861,
0.3372

■ 39.8874, 0.2616,
0.3444

■ 39.8874, 0.2616,
0.3444

■ 38.8078, 0.2529,
0.3486

■ 41.2102, 0.2718,
0.3404

■ 37.9512, 0.2459,
0.3530

■ 42.7855, 0.2834,
0.3366

■ 37.3019, 0.2408,
0.3574


■ 44.6279, 0.2959,
0.3330

■ 36.8401, 0.2376,
0.3619


■ 46.7495, 0.3091,
0.3298

■ 36.5421, 0.2362,
0.3663

■ 49.1616, 0.3228,
0.3269

 36.3923, 0.2360,
0.3696

 51.8750, 0.3367,
0.3243

 54.8998, 0.3506,
0.3219

 58.2458, 0.3644,
0.3199

 59.0323, 0.3654,
0.3176

Harmonies

Analogous

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



39.8874, 0.2942, 0.3795



39.8874, 0.2616, 0.3444



39.8874, 0.2430, 0.3069

Triad

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



39.8874, 0.2616, 0.3444



39.8874, 0.2889, 0.2688



39.8874, 0.3885, 0.3738

Complementary

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



39.8874, 0.2616, 0.3444



21.4016, 0.4072, 0.3149

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.



39.8874, 0.3878, 0.3435



39.8874, 0.2616, 0.3444



39.8874, 0.3282, 0.2853

Square

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



39.8874, 0.2616, 0.3444



39.8874, 0.2580, 0.2661



39.8874, 0.3652, 0.3119



39.8874, 0.3680, 0.3950

Rectangle

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



39.8874, 0.2616, 0.3444



39.8874, 0.2402, 0.2867



39.8874, 0.3652, 0.3119



39.8874, 0.3909, 0.3643

Sweetspot

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



39.8890, 0.2616, 0.3444



79.7172, 0.2951, 0.3332



38.5603, 0.3146, 0.4560



17.4383, 0.2923, 0.3340



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



39.8890, 0.2616, 0.3444



69.6360, 0.2535, 0.3483



29.6615, 0.2480, 0.2830



10.1903, 0.3002, 0.3319



25.3919, 0.2359, 0.3691



0.9007, 0.2327, 0.3576

Inverse Universe

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



21.4016, 0.4072, 0.3149



32.2267, 0.4399, 0.3123



28.0222, 0.4034, 0.3701



9.0305, 0.3268, 0.3261



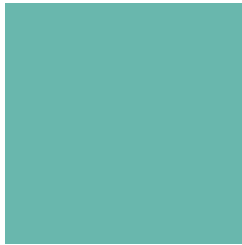
7.0735, 0.6215, 0.3197



0.2555, 0.5670, 0.2897

Previews

White Background



This preview shows how the Yxy color 39.8874, 0.2616, 0.3444 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 39.8874, 0.2616, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

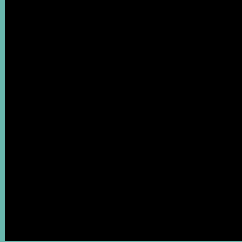
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

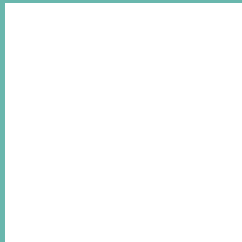
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8874, 0.2616, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 39.8874, 0.2616, 0.3444.

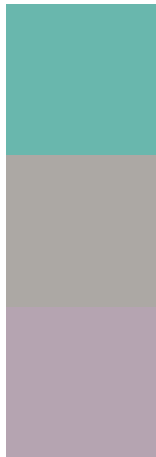


This preview shows how white text looks on a background with the Yxy color 39.8874, 0.2616, 0.3444.

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

39.8874, 0.2616, 0.3444

Protanopia

39.4563, 0.3198, 0.3346

Deuteranopia

39.5490, 0.3173, 0.3116



Tritanopia

39.9171, 0.2517, 0.3081

Trichromacy



Original Color

39.8874, 0.2616, 0.3444

Protanomaly

38.9731, 0.2958, 0.3378

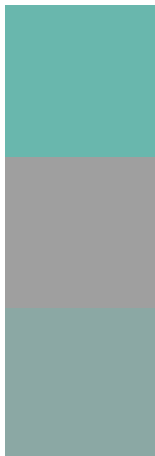
Deuteranomaly

39.0327, 0.2930, 0.3218

Tritanomaly

39.8441, 0.2556, 0.3213

Monochromacy



Original Color

39.8874, 0.2616, 0.3444

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.1746, 0.2903, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8874, 0.2616, 0.3444 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(105, 183, 173)` looks like.

```
.text, #text, p{  
    color:rgb(105, 183, 173)  
}
```

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(105, 183, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 183, 173) }
```

Border

The CSS property to change the border of an element to Yxy 39.8874, 0.2616, 0.3444 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(105, 183, 173) }
```

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

```
.border{ border-color:rgb(105, 183, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 183, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 183, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 183, 173);  
box-shadow:4px 4px 4px 4px rgb(105, 183,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8874, 0.2616, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 183, 173) }
```

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

```
.background{ background-color: rgb(105,  
183, 173) }
```

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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