

Converting Colors

$Yxy(39.9837, 0.2336, 0.3061)$

Have a look what the booklet for
Yxy(39.9837, 0.2336, 0.3061)
contains.

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Color

Yxy(39.9823, 0.2336, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	4DB8C7
RGB	77, 184, 199
RGB Percent	30%, 72%, 78%
CMY	0.6977, 0.2784, 0.2197
CMYK	0.61, 0.08, 0.00, 0.22
HSL	187°, 52%, 54%
HSV	187°, 61%, 78%
XYZ	30.5125, 39.9823, 60.1237
YIQ	153.7170, -68.5870, -18.0190

Conversions

Conversions Part 2

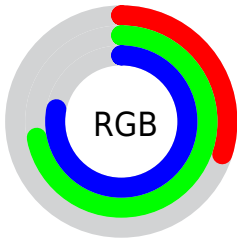
Format	Color
RYB	77, 134, 199
Decimal	5093575
CIELab	69.46, -25.99, -16.74
CIELCh	69, 30.914, 212.789
Yxy	39.9823, 0.2336, 0.3061
Android (android.graphics.Color)	4283283655 (0xFF4DB8C7)
YUV	153.7170, 22.3245, -67.2808
Hunter-Lab	63.2316, -24.5198, -12.1137

Details

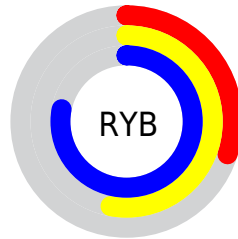
The Yxy color **39.9823, 0.2336, 0.3061** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.3418, 0.4908, 0.3476**, and the grayscale version is **32.1181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9434, 0.2481, 0.3115**, and **18.2769, 0.2164, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **38.2708, 0.2259, 0.3018**, and if you desaturate by 10%, it is **41.9675, 0.2432, 0.3103**.

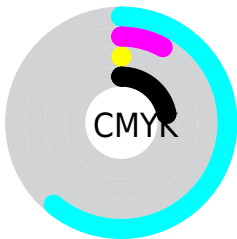
Distribution



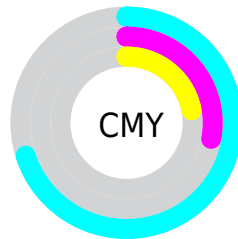
- Red (30%)
- Green (72%)
- Blue (78%)



- Red (30%)
- Yellow (53%)
- Blue (78%)



- Cyan (61%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)





- Cyan (70%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9823, 0.2336, 0.3061 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 39.9823, 0.2336, 0.3061 by changing the saturation by 10% instead.


 39.9823, 0.2336,
0.3061


 39.9823, 0.2336,
0.3061

346.0490, 0.2729,
0.3189

 27.5247, 0.2239,
0.3025


 75.1366, 0.2478,
0.3111


 17.9677, 0.2117,
0.2976


 98.6021, 0.2532,
0.3128

 10.9268, 0.1956,
0.2907


 126.5056, 0.2577,
0.3143

 6.0176, 0.1739,
0.2804

 159.2317, 0.2616,
0.3155

 2.8558, 0.1432,
0.2636

197.1647, 0.2650,
0.3166

 1.0569, 0.0810,
0.2374

240.6890, 0.2680,

 0.0000, 0.0000,

0.3175

0.0000

290.1889, 0.2706,
0.3182

■ 39.9823, 0.2336,
0.3061

■ 39.9823, 0.2336,
0.3061

■ 38.2708, 0.2259,
0.3018

■ 41.9675, 0.2432,
0.3103

■ 36.8046, 0.2200,
0.2975

■ 44.2429, 0.2544,
0.3144

■ 35.5566, 0.2161,
0.2932

■ 46.8288, 0.2671,
0.3183

■ 34.5975, 0.2138,
0.2895

■ 49.7424, 0.2809,
0.3220

■ 52.9996, 0.2956,
0.3255

■ 56.6151, 0.3108,
0.3286

■ 60.6028, 0.3263,
0.3315

■ 64.9759, 0.3418,
0.3341

■ 69.5242, 0.3562,
0.3364

Harmonies

Analogous

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



39.9823, 0.2562, 0.3505



39.9823, 0.2336, 0.3061



39.9823, 0.2307, 0.2729

Triad

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



39.9823, 0.2336, 0.3061



39.9823, 0.3265, 0.2768



39.9823, 0.3791, 0.4038

Complementary

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



39.9823, 0.2336, 0.3061



20.3418, 0.4908, 0.3476

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.



39.9823, 0.4015, 0.3773



39.9823, 0.2336, 0.3061



39.9823, 0.3705, 0.3062

Square

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



39.9823, 0.2336, 0.3061



39.9823, 0.2815, 0.2592



39.9823, 0.3988, 0.3419



39.9823, 0.3395, 0.4107

Rectangle

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



39.9823, 0.2336, 0.3061



39.9823, 0.2397, 0.2604



39.9823, 0.3988, 0.3419



39.9823, 0.3890, 0.3966

Sweetspot

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



39.9838, 0.2336, 0.3061



88.7644, 0.2852, 0.3231



43.1761, 0.2968, 0.5048



18.6522, 0.2810, 0.3220



0.0000, 0.0000, 0.0000



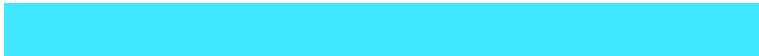
21.4041, 0.3127, 0.3290

Same Dimension

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



39.9838, 0.2336, 0.3061



65.9983, 0.2234, 0.3002



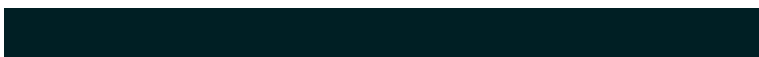
20.0730, 0.2110, 0.2060



11.8365, 0.2984, 0.3261



22.3412, 0.2139, 0.2901



1.1220, 0.2164, 0.2990

Inverse Universe

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



20.9200, 0.3374, 0.2025



31.0073, 0.3439, 0.1847



35.2139, 0.4341, 0.4227



10.7933, 0.3156, 0.3090



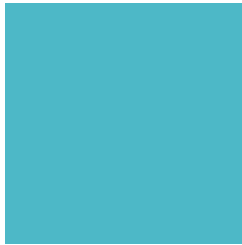
9.7953, 0.3542, 0.1725



0.4703, 0.3463, 0.1682

Previews

White Background



This preview shows how the Yxy color 39.9823, 0.2336, 0.3061 looks on a white background.

Color Contrast Check

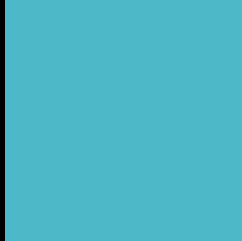
Large Text (above 18pt) WCAG AA × Fail

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 39.9823, 0.2336, 0.3061 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 39.9823, 0.2336, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 39.9823, 0.2336, 0.3061.



This preview shows how white text looks on a background with the Yxy color 39.9823, 0.2336, 0.3061.

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

39.9823, 0.2336, 0.3061

Protanopia

39.3753, 0.2945, 0.3003

Deuteranopia

39.5469, 0.2845, 0.2786



Tritanopia

39.9823, 0.2336, 0.3061

Trichromacy



Original Color

39.9823, 0.2336, 0.3061

Protanomaly

38.7612, 0.2666, 0.3014

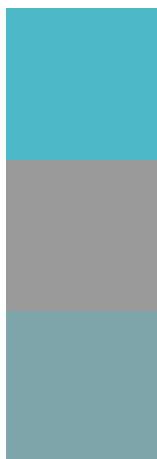
Deuteranomaly

38.9202, 0.2606, 0.2865

Tritanomaly

39.9823, 0.2336, 0.3061

Monochromacy



Original Color

39.9823, 0.2336, 0.3061

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.2482, 0.2748, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9823, 0.2336, 0.3061 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(77, 184, 199)` looks like.

```
.text, #text, p{  
    color:rgb(77, 184, 199)  
}
```

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(77, 184, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 184, 199) }
```

Border

The CSS property to change the border of an element to Yxy 39.9823, 0.2336, 0.3061 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(77, 184, 199) }
```

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

```
.border{ border-color:rgb(77, 184, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 184, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 184, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 184, 199);  
box-shadow:4px 4px 4px 4px rgb(77, 184,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9823, 0.2336, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 184, 199) }
```

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

```
.background{ background-color: rgb(77, 184,  
199) }
```

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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