

Converting Colors

$Y_{xy}(39.4300, 0.2317, 0.2972)$

Have a look what the booklet for
Yxy(39.4300, 0.2317, 0.2972)
contains.

Yxy(39.4300, 0.2317, 0.2972)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.4300, 0.2317, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	4FB6CB
RGB	79, 182, 203
RGB Percent	31%, 71%, 80%
CMY	0.6898, 0.2863, 0.2038
CMYK	0.61, 0.10, 0.00, 0.20
HSL	190°, 54%, 55%
HSV	190°, 61%, 80%
XYZ	30.7400, 39.4300, 62.5016
YIQ	153.5970, -68.1290, -15.3050

Conversions

Conversions Part 2

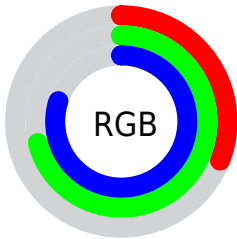
Format	Color
R _Y B	79, 135, 203
Decimal	5224139
CIE Lab	69.06, -23.44, -19.56
CIE LCh	69, 30.525, 219.847
Yxy	39.4300, 0.2317, 0.2972
Android (android.graphics.Color)	4283414219 (0xFF4FB6CB)
YUV	153.5970, 24.3557, -65.4216
Hunter-Lab	62.7933, -22.5049, -15.0592

Details

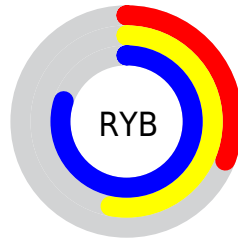
The Yxy color **39.4300, 0.2317, 0.2972** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **22.4064, 0.4848, 0.3548**, and the grayscale version is **32.0561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8580, 0.2481, 0.3092**, and **17.8704, 0.2130, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **37.2945, 0.2233, 0.2911**, and if you desaturate by 10%, it is **41.8690, 0.2419, 0.3031**.

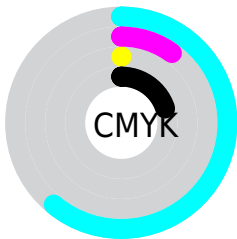
Distribution



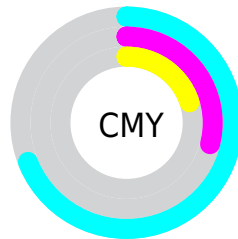
- Red (31%)
- Green (71%)
- Blue (80%)



- Red (31%)
- Yellow (53%)
- Blue (80%)



- Cyan (61%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (69%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4300, 0.2317, 0.2972 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 39.4300, 0.2317, 0.2972 by changing the saturation by 10% instead.

■ 39.4300, 0.2317,
0.2972

■ 39.4300, 0.2317,
0.2972

■ 343.7152, 0.2720,
0.3146

■ 27.0944, 0.2218,
0.2925

■ 74.2948, 0.2462,
0.3038

■ 17.6441, 0.2093,
0.2861

■ 97.5927, 0.2517,
0.3062

■ 10.6948, 0.1930,
0.2773

■ 125.3136, 0.2564,
0.3082

■ 5.8620, 0.1709,
0.2644

■ 157.8417, 0.2604,
0.3099

■ 2.7614, 0.1399,
0.2440

■ 195.5616, 0.2638,
0.3113

■ 1.0084, 0.0802,
0.2121

■ 238.8575, 0.2669,

■ 0.0000, 0.0000,

0.3125

0.0000

288.1139, 0.2696,
0.3136

■ 39.4300, 0.2317,
0.2972

■ 39.4300, 0.2317,
0.2972

■ 37.2945, 0.2233,
0.2911

■ 41.8690, 0.2419,
0.3031

■ 35.4329, 0.2168,
0.2850

■ 44.6293, 0.2537,
0.3089

■ 33.8166, 0.2122,
0.2790

■ 47.7323, 0.2669,
0.3144

■ 32.5266, 0.2093,
0.2736

■ 51.1961, 0.2810,
0.3195

■ 55.0375, 0.2959,
0.3242

■ 59.2722, 0.3111,
0.3286

■ 63.9148, 0.3265,
0.3325

■ 68.9793, 0.3418,
0.3360

■ 73.1609, 0.3516,
0.3393

Harmonies

Analogous

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



39.4300, 0.2497, 0.3396



39.4300, 0.2317, 0.2972



39.4300, 0.2335, 0.2680

Triad

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



39.4300, 0.2317, 0.2972



39.4300, 0.3373, 0.2832



39.4300, 0.3705, 0.4069

Complementary

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



39.4300, 0.2317, 0.2972



22.4064, 0.4848, 0.3548

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.



39.4300, 0.3977, 0.3843



39.4300, 0.2317, 0.2972



39.4300, 0.3786, 0.3144

Square

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



39.4300, 0.2317, 0.2972



39.4300, 0.2916, 0.2625



39.4300, 0.4012, 0.3505



39.4300, 0.3288, 0.4078

Rectangle

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



39.4300, 0.2317, 0.2972



39.4300, 0.2454, 0.2584



39.4300, 0.4012, 0.3505



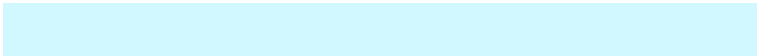
39.4300, 0.3817, 0.4013

Sweetspot

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



39.4315, 0.2317, 0.2972



87.4400, 0.2851, 0.3208



45.3033, 0.2938, 0.4951



18.3248, 0.2808, 0.3194



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.



39.4315, 0.2317, 0.2972



61.4733, 0.2212, 0.2893



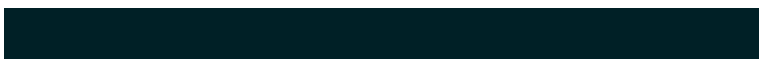
19.5122, 0.2089, 0.1961



12.3904, 0.2983, 0.3250



20.8121, 0.2096, 0.2744



1.1616, 0.2128, 0.2862

Inverse Universe

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



21.6840, 0.3446, 0.2083



30.8476, 0.3532, 0.1920



39.0060, 0.4285, 0.4295



11.3698, 0.3163, 0.3100



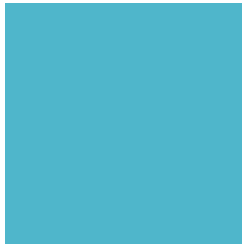
9.9040, 0.3687, 0.1805



0.5198, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 39.4300, 0.2317, 0.2972 looks on a white background.

Color Contrast Check

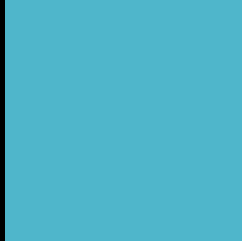
Large Text (above 18pt) WCAG AA × Fail

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 39.4300, 0.2317, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

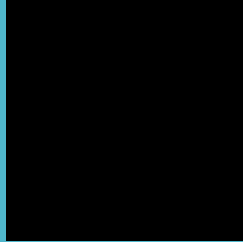
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4300, 0.2317, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 39.4300, 0.2317, 0.2972.



This preview shows how white text looks on a background with the Yxy color 39.4300, 0.2317, 0.2972.

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

39.4300, 0.2317, 0.2972

Protanopia

38.8647, 0.2888, 0.2934

Deuteranopia

38.9484, 0.2782, 0.2719



Tritanopia

39.5220, 0.2337, 0.3060

Trichromacy



Original Color

39.4300, 0.2317, 0.2972

Protanomaly

38.3961, 0.2624, 0.2943

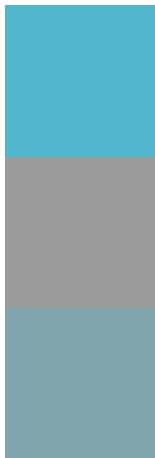
Deuteranomaly

38.5686, 0.2565, 0.2796

Tritanomaly

39.6568, 0.2331, 0.3031

Monochromacy



Original Color

39.4300, 0.2317, 0.2972

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.0415, 0.2740, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4300, 0.2317, 0.2972 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(79, 182, 203)` looks like.

```
.text, #text, p{  
    color:rgb(79, 182, 203)  
}
```

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(79, 182, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 182, 203) }
```

Border

The CSS property to change the border of an element to Yxy 39.4300, 0.2317, 0.2972 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(79, 182, 203) }
```

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

```
.border{ border-color:rgb(79, 182, 203) }
```

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

Here you see how a box with a 4 pixel rgb(79, 182, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 182, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 182, 203);  
box-shadow:4px 4px 4px 4px rgb(79, 182,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4300, 0.2317, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 182, 203) }
```

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

```
.background{ background-color: rgb(79, 182,  
203) }
```

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