

Converting Colors

$Y_{xy}(39.4291, 0.2433, 0.3020)$

Have a look what the booklet for
Yxy(39.4291, 0.2433, 0.3020)
contains.

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Color

Yxy(39.4291, 0.2433, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	64B4C6
RGB	100, 180, 198
RGB Percent	39%, 71%, 78%
CMY	0.6081, 0.2941, 0.2235
CMYK	0.50, 0.09, 0.00, 0.22
HSL	191°, 46%, 58%
HSV	191°, 50%, 78%
XYZ	31.7652, 39.4291, 59.3656
YIQ	158.1320, -53.4580, -11.3620

Conversions

Conversions Part 2

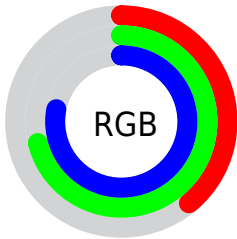
Format	Color
RYB	100, 144, 198
Decimal	6599878
CIELab	69.06, -19.66, -16.73
CIElCh	69, 25.815, 220.401
Yxy	39.4291, 0.2433, 0.3020
Android (android.graphics.Color)	4284789958 (0xFF64B4C6)
YUV	158.1320, 19.6549, -50.9818
Hunter-Lab	62.7926, -19.5883, -12.0993

Details

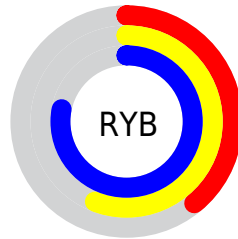
The Yxy color **39.4291, 0.2433, 0.3020** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.8678, 0.4375, 0.3530**, and the grayscale version is **34.1771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3790, 0.2560, 0.3073**, and **17.6237, 0.2237, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **36.9882, 0.2327, 0.2956**, and if you desaturate by 10%, it is **42.1858, 0.2555, 0.3082**.

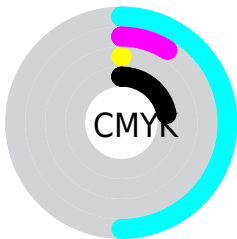
Distribution



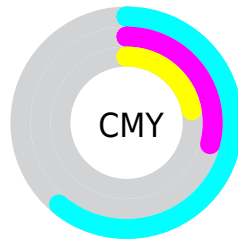
- Red (39%)
- Green (71%)
- Blue (78%)



- Red (39%)
- Yellow (56%)
- Blue (78%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)




- Cyan (61%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4291, 0.2433, 0.3020 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 39.4291, 0.2433, 0.3020 by changing the saturation by 10% instead.


 39.4291, 0.2433,
0.3020


 39.4291, 0.2433,
0.3020

343.7114, 0.2780,
0.3166


 27.0937, 0.2347,
0.2980

 74.2934, 0.2559,
0.3076

 17.6436, 0.2237,
0.2927


 97.5911, 0.2606,
0.3096

 10.6944, 0.2092,
0.2853

 125.3116, 0.2646,
0.3113

 5.8618, 0.1893,
0.2744

 157.8394, 0.2681,
0.3127

 2.7612, 0.1608,
0.2569

195.5589, 0.2711,
0.3139

 1.0084, 0.1073,
0.2285

238.8545, 0.2737,

 0.0000, 0.0000,

0.3149

0.0000

288.1105, 0.2760,
0.3158

■ 39.4291, 0.2433,
0.3020

■ 39.4291, 0.2433,
0.3020

■ 36.9882, 0.2327,
0.2956

■ 42.1858, 0.2555,
0.3082

■ 34.8380, 0.2238,
0.2890

■ 45.2722, 0.2689,
0.3140

■ 32.9567, 0.2168,
0.2824


■ 48.7068, 0.2832,
0.3195


■ 31.3169, 0.2117,
0.2758

■ 52.5052, 0.2982,
0.3246

■ 29.8692, 0.2082,
0.2692


■ 56.6821, 0.3134,
0.3292

 29.8026, 0.2080,
0.2689

 61.2512, 0.3288,
0.3334

 66.2256, 0.3440,
0.3371

 70.9773, 0.3562,
0.3405

 72.7816, 0.3554,
0.3442

Harmonies

Analogous

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



39.4291, 0.2587, 0.3376



39.4291, 0.2433, 0.3020



39.4291, 0.2451, 0.2770

Triad

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



39.4291, 0.2433, 0.3020



39.4291, 0.3344, 0.2902



39.4291, 0.3615, 0.3952

Complementary

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



39.4291, 0.2433, 0.3020



25.8678, 0.4375, 0.3530

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.



39.4291, 0.3845, 0.3772



39.4291, 0.2433, 0.3020



39.4291, 0.3688, 0.3174

Square

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



39.4291, 0.2433, 0.3020



39.4291, 0.2957, 0.2721



39.4291, 0.3875, 0.3486



39.4291, 0.3261, 0.3948

Rectangle

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



39.4291, 0.2433, 0.3020



39.4291, 0.2557, 0.2686



39.4291, 0.3875, 0.3486



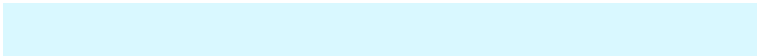
39.4291, 0.3710, 0.3909

Sweetspot

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



39.4306, 0.2433, 0.3020



89.0565, 0.2896, 0.3218



44.4032, 0.2951, 0.4564



18.7591, 0.2864, 0.3207



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.



39.4306, 0.2433, 0.3020



65.3488, 0.2323, 0.2953



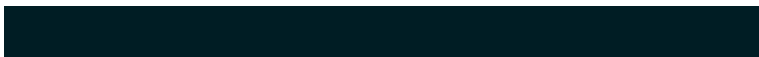
23.0151, 0.2283, 0.2230



11.7238, 0.2984, 0.3247



19.4957, 0.2083, 0.2698



1.0116, 0.2121, 0.2834

Inverse Universe

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



24.4057, 0.3388, 0.2292



36.8394, 0.3460, 0.2118



40.5457, 0.4031, 0.4149



10.7819, 0.3165, 0.3103



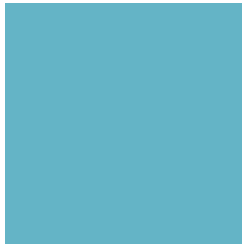
9.5081, 0.3730, 0.1829



0.4591, 0.3603, 0.1758

Previews

White Background



This preview shows how the Yxy color 39.4291, 0.2433, 0.3020 looks on a white background.

Color Contrast Check

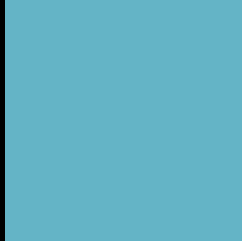
Large Text (above 18pt) WCAG AA × Fail

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 39.4291, 0.2433, 0.3020 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 39.4291, 0.2433, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 39.4291, 0.2433, 0.3020.



This preview shows how white text looks on a background with the Yxy color 39.4291, 0.2433, 0.3020.

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

39.4291, 0.2433, 0.3020

Protanopia

38.8391, 0.2920, 0.2974

Deuteranopia

38.9835, 0.2851, 0.2796



Tritanopia

39.2353, 0.2445, 0.3063

Trichromacy



Original Color

39.4291, 0.2433, 0.3020

Protanomaly

38.5943, 0.2715, 0.2989

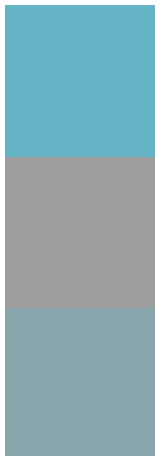
Deuteranomaly

38.7592, 0.2674, 0.2869

Tritanomaly

39.2807, 0.2439, 0.3048

Monochromacy



Original Color

39.4291, 0.2433, 0.3020

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6079, 0.2816, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4291, 0.2433, 0.3020 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(100, 180, 198)` looks like.

```
.text, #text, p{  
    color:rgb(100, 180, 198)  
}
```

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(100, 180, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 180, 198) }
```

Border

The CSS property to change the border of an element to Yxy 39.4291, 0.2433, 0.3020 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(100, 180, 198) }
```

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

```
.border{ border-color:rgb(100, 180, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 180, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 180, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 180, 198);  
box-shadow:4px 4px 4px 4px rgb(100, 180,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4291, 0.2433, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 180, 198) }
```

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

```
.background{ background-color: rgb(100,  
180, 198) }
```

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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