

Converting Colors

$Y_{xy}(39.7400, 0.2436, 0.2967)$

Have a look what the booklet for
Yxy(39.7400, 0.2436, 0.2967)
contains.

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Color

Yxy(39.8498, 0.2433, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	68B4CA
RGB	104, 180, 202
RGB Percent	41%, 71%, 79%
CMY	0.5918, 0.2942, 0.2078
CMYK	0.48, 0.11, 0.00, 0.21
HSL	193°, 48%, 60%
HSV	193°, 48%, 79%
XYZ	32.6997, 39.8498, 61.8512
YIQ	159.7840, -52.3580, -9.2700

Conversions

Conversions Part 2

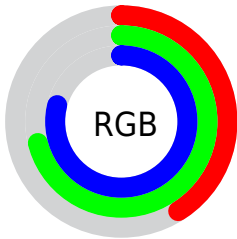
Format	Color
RYB	104, 147, 202
Decimal	6862026
CIELab	69.36, -17.59, -18.46
CIElCh	69, 25.499, 226.386
Yxy	39.8498, 0.2433, 0.2965
Android (android.graphics.Color)	4285052106 (0xFF68B4CA)
YUV	159.7840, 20.8125, -48.9226
Hunter-Lab	63.1267, -18.0086, -13.9033

Details

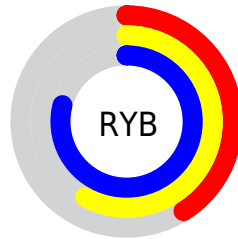
The Yxy color **39.8498, 0.2433, 0.2965** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.5117, 0.4310, 0.3579**, and the grayscale version is **34.9805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7880, 0.2579, 0.3074**, and **17.8748, 0.2238, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **36.9780, 0.2319, 0.2885**, and if you desaturate by 10%, it is **43.0743, 0.2561, 0.3041**.

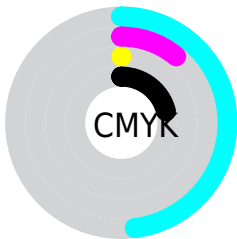
Distribution



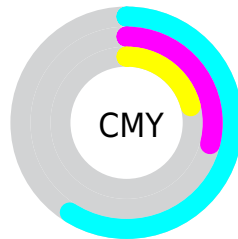
- Red (41%)
- Green (71%)
- Blue (79%)



- Red (41%)
- Yellow (58%)
- Blue (79%)



- Cyan (48%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)





- Cyan (59%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8498, 0.2433, 0.2965 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 39.8498, 0.2433, 0.2965 by changing the saturation by 10% instead.

 39.8498, 0.2433,
0.2965


 39.8498, 0.2433,
0.2965


345.4901, 0.2780,
0.3138


 27.4215, 0.2347,
0.2919


 74.9347, 0.2558,
0.3030


 17.8900, 0.2238,
0.2857


 98.3601, 0.2606,
0.3054

 10.8710, 0.2095,
0.2773


 126.2200, 0.2646,
0.3074

 5.9802, 0.1899,
0.2651

 158.8987, 0.2680,
0.3091

 2.8330, 0.1618,
0.2460

196.7807, 0.2710,
0.3105

 1.0452, 0.1140,
0.2144

240.2503, 0.2736,

 0.0000, 0.0000,

0.3118

0.0000

289.6920, 0.2759,
0.3129

■ 39.8498, 0.2433,
0.2965

■ 39.8498, 0.2433,
0.2965

■ 36.9780, 0.2319,
0.2885

■ 43.0743, 0.2561,
0.3041

■ 34.4330, 0.2223,
0.2803

■ 46.6666, 0.2700,
0.3113

■ 32.1917, 0.2145,
0.2720


■ 50.6460, 0.2846,
0.3180

■ 30.2255, 0.2086,
0.2638


■ 55.0291, 0.2998,
0.3242


■ 28.4902, 0.2046,
0.2556

■ 59.8315, 0.3151,
0.3298

 28.2351, 0.2040,
0.2543

 65.0677, 0.3303,
0.3349

 70.7516, 0.3453,
0.3394

 74.8091, 0.3517,
0.3437

 77.1743, 0.3508,
0.3483

Harmonies

Analogous

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



39.8498, 0.2552, 0.3301



39.8498, 0.2433, 0.2965



39.8498, 0.2485, 0.2746

Triad

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



39.8498, 0.2433, 0.2965



39.8498, 0.3416, 0.2956



39.8498, 0.3545, 0.3957

Complementary

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



39.8498, 0.2433, 0.2965



28.5117, 0.4310, 0.3579

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.



39.8498, 0.3802, 0.3811



39.8498, 0.2433, 0.2965



39.8498, 0.3731, 0.3236

Square

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



39.8498, 0.2433, 0.2965



39.8498, 0.3034, 0.2756



39.8498, 0.3875, 0.3544



39.8498, 0.3184, 0.3910

Rectangle

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



39.8498, 0.2433, 0.2965



39.8498, 0.2610, 0.2684



39.8498, 0.3875, 0.3544



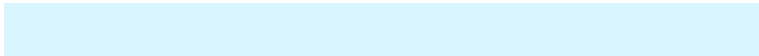
39.8498, 0.3647, 0.3927

Sweetspot

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



39.8513, 0.2433, 0.2965



88.0867, 0.2895, 0.3201



46.6835, 0.2935, 0.4482



18.5237, 0.2863, 0.3188



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.



39.8513, 0.2433, 0.2965



62.4538, 0.2316, 0.2883



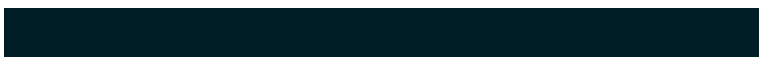
23.6726, 0.2291, 0.2203



12.2823, 0.2983, 0.3237



18.3053, 0.2043, 0.2554



1.0523, 0.2087, 0.2714

Inverse Universe

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



25.7730, 0.3430, 0.2354



37.0560, 0.3517, 0.2184



43.9353, 0.3991, 0.4169



11.3589, 0.3171, 0.3112



9.6509, 0.3869, 0.1905



0.5088, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 39.8498, 0.2433, 0.2965 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 39.8498, 0.2433, 0.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

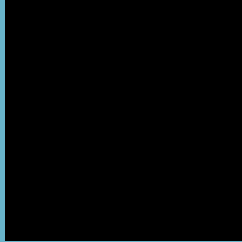
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8498, 0.2433, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 39.8498, 0.2433, 0.2965.



This preview shows how white text looks on a background with the Yxy color 39.8498, 0.2433, 0.2965.

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

39.8498, 0.2433, 0.2965

Protanopia

39.3802, 0.2889, 0.2936

Deuteranopia

39.5335, 0.2822, 0.2761



Tritanopia

39.8580, 0.2458, 0.3065

Trichromacy



Original Color

39.8498, 0.2433, 0.2965

Protanomaly

39.2414, 0.2697, 0.2950

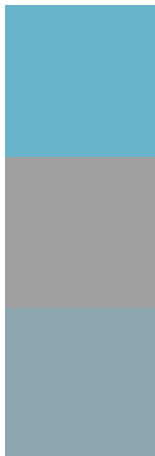
Deuteranomaly

39.0384, 0.2655, 0.2818

Tritanomaly

40.0085, 0.2452, 0.3036

Monochromacy



Original Color

39.8498, 0.2433, 0.2965

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.3080, 0.2826, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8498, 0.2433, 0.2965 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(104, 180, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 180, 202)  
}
```

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(104, 180, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 180, 202) }
```

Border

The CSS property to change the border of an element to Yxy 39.8498, 0.2433, 0.2965 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(104, 180, 202) }
```

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

```
.border{ border-color:rgb(104, 180, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 180, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 180, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 180, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 180,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8498, 0.2433, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 180, 202) }
```

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

```
.background{ background-color: rgb(104,  
180, 202) }
```

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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