

Converting Colors

$Yxy(39.9203, 0.2390, 0.3012)$

Have a look what the booklet for
Yxy(39.9203, 0.2390, 0.3012)
contains.

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Color

Yxy(39.9532, 0.2393, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	5DB6C8
RGB	93, 182, 200
RGB Percent	36%, 71%, 78%
CMY	0.6357, 0.2862, 0.2157
CMYK	0.54, 0.09, 0.00, 0.22
HSL	190°, 49%, 57%
HSV	190°, 54%, 78%
XYZ	31.6583, 39.9532, 60.6839
YIQ	157.4410, -58.8220, -13.2700

Conversions

Conversions Part 2

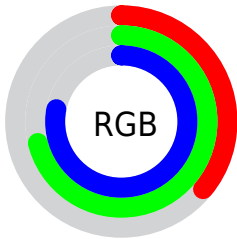
Format	Color
<code>RYB</code>	<code>93, 142, 200</code>
Decimal	<code>6141640</code>
CIELab	<code>69.44, -21.67, -17.29</code>
CIElCh	<code>69, 27.717, 218.583</code>
Yxy	<code>39.9532, 0.2393, 0.3020</code>
Android (<code>android.graphics.Color</code>)	<code>4284331720 (0xFF5DB6C8)</code>
YUV	<code>157.4410, 20.9816, -56.5148</code>
Hunter-Lab	<code>63.2085, -21.2124, -12.6759</code>

Details

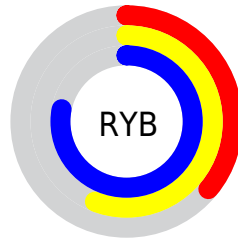
The Yxy color **39.9532, 0.2393, 0.3020** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **24.4070, 0.4543, 0.3525**, and the grayscale version is **33.8381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9484, 0.2535, 0.3095**, and **17.9825, 0.2190, 0.2930** is the 20% darker color. If you saturate the color by 10%, you get **37.6867, 0.2295, 0.2961**, and if you desaturate by 10%, it is **42.5284, 0.2507, 0.3077**.

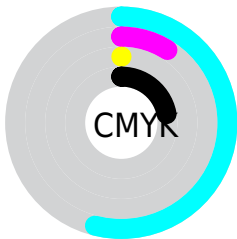
Distribution



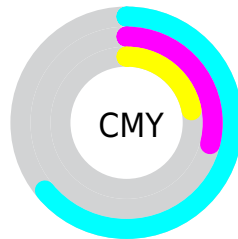
- Red (36%)
- Green (71%)
- Blue (78%)



- Red (36%)
- Yellow (56%)
- Blue (78%)



- Cyan (54%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)





- Cyan (64%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9532, 0.2393, 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 39.9532, 0.2393, 0.3020 by changing the saturation by 10% instead.


 39.9532, 0.2393,
0.3020


 39.9532, 0.2393,
0.3020


345.9263, 0.2759,
0.3167

 27.5021, 0.2303,
0.2980


 75.0922, 0.2525,
0.3076


 17.9506, 0.2188,
0.2926


 98.5489, 0.2575,
0.3096

 10.9146, 0.2038,
0.2851


 126.4429, 0.2617,
0.3113

 6.0094, 0.1832,
0.2741

 159.1586, 0.2654,
0.3127

 2.8508, 0.1540,
0.2564

197.0804, 0.2685,
0.3140

 1.0543, 0.1002,
0.2278

240.5927, 0.2713,

 0.0000, 0.0000,

0.3150

0.0000

290.0798, 0.2737,
0.3159

■ 39.9532, 0.2393,
0.3020

■ 39.9532, 0.2393,
0.3020

■ 37.6867, 0.2295,
0.2961

■ 42.5284, 0.2507,
0.3077

■ 35.7024, 0.2216,
0.2901

■ 45.4275, 0.2635,
0.3132

■ 33.9765, 0.2156,
0.2841

■ 48.6698, 0.2774,
0.3184

■ 32.4785, 0.2115,
0.2781

■ 52.2718, 0.2921,
0.3231

■ 31.5979, 0.2095,
0.2743

■ 56.2488, 0.3073,
0.3275

■ 60.6153, 0.3226,
0.3315

■ 65.3848, 0.3380,
0.3351

■ 70.5702, 0.3531,
0.3383

■ 72.6325, 0.3540,
0.3417

Harmonies

Analogous

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



39.9532, 0.2566, 0.3405



39.9532, 0.2393, 0.3020



39.9532, 0.2401, 0.2746

Triad

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



39.9532, 0.2393, 0.3020



39.9532, 0.3333, 0.2862



39.9532, 0.3666, 0.3991

Complementary

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



39.9532, 0.2393, 0.3020



24.4070, 0.4543, 0.3525

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.



39.9532, 0.3902, 0.3785



39.9532, 0.2393, 0.3020



39.9532, 0.3709, 0.3146

Square

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



39.9532, 0.2393, 0.3020



39.9532, 0.2921, 0.2678



39.9532, 0.3922, 0.3476



39.9532, 0.3293, 0.4003

Rectangle

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



39.9532, 0.2393, 0.3020



39.9532, 0.2506, 0.2652



39.9532, 0.3922, 0.3476



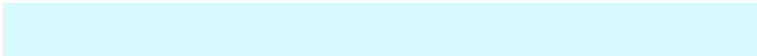
39.9532, 0.3765, 0.3939

Sweetspot

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



39.9547, 0.2393, 0.3020



88.7744, 0.2881, 0.3219



44.7702, 0.2951, 0.4717



18.7190, 0.2850, 0.3209



0.0000, 0.0000, 0.0000



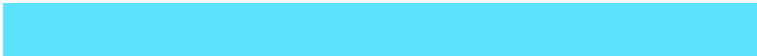
21.4041, 0.3127, 0.3290

Same Dimension

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



39.9547, 0.2393, 0.3020



64.7557, 0.2284, 0.2953



22.0843, 0.2217, 0.2154



11.7528, 0.2984, 0.3250



20.2055, 0.2098, 0.2751



1.0394, 0.2132, 0.2875

Inverse Universe

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



23.4661, 0.3395, 0.2203



34.4593, 0.3468, 0.2026



39.7234, 0.4127, 0.4191



10.7849, 0.3163, 0.3100



9.5797, 0.3680, 0.1801



0.4619, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 39.9532, 0.2393, 0.3020 looks on a white background.

Color Contrast Check

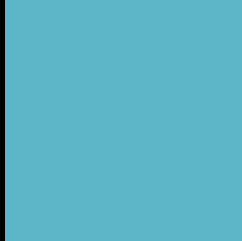
Large Text (above 18pt) WCAG AA × Fail

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 39.9532, 0.2393, 0.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

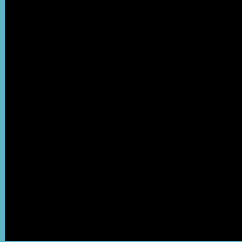
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9532, 0.2393, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 39.9532, 0.2393, 0.3020.



This preview shows how white text looks on a background with the Yxy color 39.9532, 0.2393, 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

39.9532, 0.2393, 0.3020

Protanopia

39.3545, 0.2921, 0.2976

Deuteranopia

39.5947, 0.2838, 0.2774



Tritanopia

39.7624, 0.2405, 0.3063

Trichromacy



Original Color

39.9532, 0.2393, 0.3020

Protanomaly

38.8891, 0.2688, 0.2975

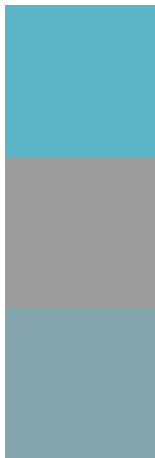
Deuteranomaly

39.1003, 0.2641, 0.2842

Tritanomaly

39.8084, 0.2399, 0.3048

Monochromacy



Original Color

39.9532, 0.2393, 0.3020

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.3579, 0.2791, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9532, 0.2393, 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(93, 182, 200)` looks like.

```
.text, #text, p{  
    color:rgb(93, 182, 200)  
}
```

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(93, 182, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 182, 200) }
```

Border

The CSS property to change the border of an element to Yxy 39.9532, 0.2393, 0.3020 is called "border". The border property can be set on classes, ids or directly on the HTML element.

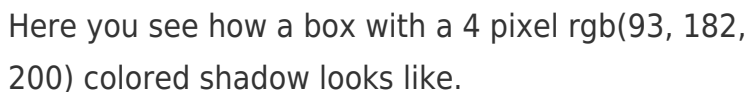
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 182, 200) }
```

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

```
.border{ border-color:rgb(93, 182, 200) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 182, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(93, 182, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(93, 182, 200); box-shadow:4px 4px 4px 4px rgb(93, 182, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9532, 0.2393, 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(93, 182, 200) }
```

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

```
.background{ background-color: rgb(93, 182,  
200) }
```

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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