

Converting Colors

$Y_{xy}(39.7972, 0.2356, 0.2955)$

Have a look what the booklet for
Yxy(39.7972, 0.2356, 0.2955)
contains.

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Color

Yxy(39.9892, 0.2359, 0.2962)

Conversions

Conversions Part 1

Format	Color
Hex	5AB6CC
RGB	90, 182, 204
RGB Percent	35%, 71%, 80%
CMY	0.6468, 0.2863, 0.2000
CMYK	0.56, 0.11, 0.00, 0.20
HSL	192°, 53%, 58%
HSV	192°, 56%, 80%
XYZ	31.8483, 39.9892, 63.1700
YIQ	157.0000, -61.8940, -12.6620

Conversions

Conversions Part 2

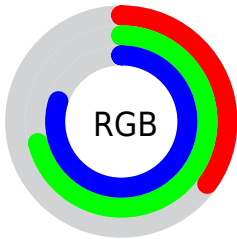
Format	Color
RYB	90, 141, 204
Decimal	5945036
CIELab	69.46, -21.09, -19.46
CIELCh	69, 28.692, 222.703
Yxy	39.9892, 0.2359, 0.2962
Android (android.graphics.Color)	4284135116 (0xFF5AB6CC)
YUV	157.0000, 23.1710, -58.7590
Hunter-Lab	63.2370, -20.7663, -14.9612

Details

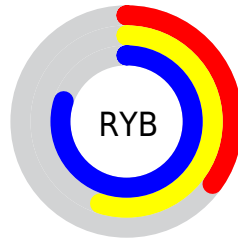
The Yxy color **39.9892, 0.2359, 0.2962** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **25.1827, 0.4613, 0.3569**, and the grayscale version is **33.6394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7586, 0.2526, 0.3094**, and **18.0041, 0.2145, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **37.5119, 0.2262, 0.2893**, and if you desaturate by 10%, it is **42.7957, 0.2473, 0.3029**.

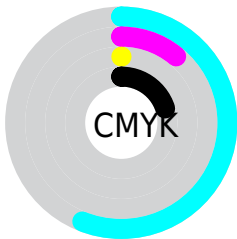
Distribution



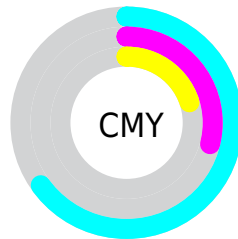
- Red (35%)
- Green (71%)
- Blue (80%)



- Red (35%)
- Yellow (55%)
- Blue (80%)



- Cyan (56%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)




- Cyan (65%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9892, 0.2359, 0.2962 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 39.9892, 0.2359, 0.2962 by changing the saturation by 10% instead.


 39.9892, 0.2359,
0.2962


 39.9892, 0.2359,
0.2962

346.0780, 0.2741,
0.3139

 27.5301, 0.2265,
0.2914


 75.1471, 0.2497,
0.3029

 17.9718, 0.2147,
0.2851


 98.6146, 0.2549,
0.3053

 10.9297, 0.1991,
0.2764

 126.5205, 0.2593,
0.3074

 6.0196, 0.1781,
0.2636

 159.2491, 0.2631,
0.3091

 2.8570, 0.1484,
0.2437

197.1847, 0.2664,
0.3105

 1.0575, 0.0962,
0.2115

240.7118, 0.2693,

 0.0000, 0.0000,

0.3118

0.0000

290.2148, 0.2718,
0.3129

■ 39.9892, 0.2359,
0.2962

■ 39.9892, 0.2359,
0.2962

■ 37.5119, 0.2262,
0.2893

■ 42.7957, 0.2473,
0.3029

■ 35.3353, 0.2184,
0.2823

■ 45.9482, 0.2600,
0.3093

■ 33.4332, 0.2125,
0.2752

■ 49.4674, 0.2739,
0.3154

■ 31.7711, 0.2084,
0.2683

■ 53.3710, 0.2886,
0.3210

■ 31.1248, 0.2071,
0.2654

■ 57.6757, 0.3037,
0.3262

■ 62.3966, 0.3191,
0.3309

■ 67.5486, 0.3344,
0.3351

■ 73.1452, 0.3495,
0.3389

■ 75.4851, 0.3500,
0.3428

Harmonies

Analogous

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



39.9892, 0.2512, 0.3351



39.9892, 0.2359, 0.2962



39.9892, 0.2393, 0.2701

Triad

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



39.9892, 0.2359, 0.2962



39.9892, 0.3399, 0.2884



39.9892, 0.3637, 0.4030

Complementary

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



39.9892, 0.2359, 0.2962



25.1827, 0.4613, 0.3569

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.



39.9892, 0.3907, 0.3838



39.9892, 0.2359, 0.2962



39.9892, 0.3772, 0.3186

Square

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



39.9892, 0.2359, 0.2962



39.9892, 0.2969, 0.2677



39.9892, 0.3962, 0.3527



39.9892, 0.3240, 0.4012

Rectangle

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



39.9892, 0.2359, 0.2962



39.9892, 0.2518, 0.2620



39.9892, 0.3962, 0.3527



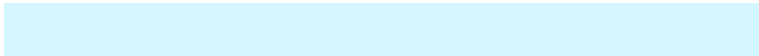
39.9892, 0.3747, 0.3986

Sweetspot

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



39.9907, 0.2359, 0.2962



87.4579, 0.2865, 0.3203



46.5123, 0.2936, 0.4761



18.4306, 0.2835, 0.3192



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.



39.9907, 0.2359, 0.2962



61.3518, 0.2245, 0.2879



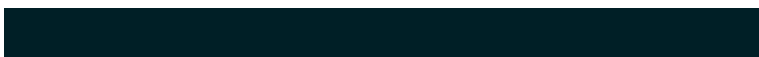
21.4960, 0.2169, 0.2063



12.3443, 0.2983, 0.3244



19.7198, 0.2073, 0.2664



1.1143, 0.2111, 0.2800

Inverse Universe

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



23.5387, 0.3446, 0.2192



32.8976, 0.3536, 0.2019



41.5550, 0.4163, 0.4247



11.3651, 0.3167, 0.3105



9.7937, 0.3762, 0.1846



0.5150, 0.3635, 0.1776

Previews

White Background



This preview shows how the Yxy color 39.9892, 0.2359, 0.2962 looks on a white background.

Color Contrast Check

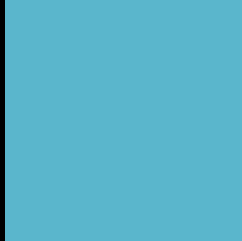
Large Text (above 18pt) WCAG AA × Fail

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 39.9892, 0.2359, 0.2962 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 39.9892, 0.2359, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 39.9892, 0.2359, 0.2962.



This preview shows how white text looks on a background with the Yxy color 39.9892, 0.2359, 0.2962.

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

39.9892, 0.2359, 0.2962

Protanopia

39.4250, 0.2881, 0.2923

Deuteranopia

39.4637, 0.2784, 0.2722



Tritanopia

40.0189, 0.2384, 0.3062

Trichromacy



Original Color

39.9892, 0.2359, 0.2962

Protanomaly

38.9006, 0.2647, 0.2920

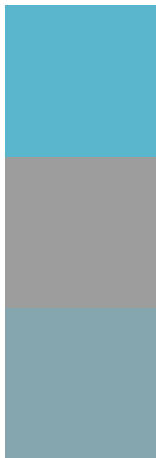
Deuteranomaly

39.0341, 0.2593, 0.2788

Tritanomaly

40.1610, 0.2378, 0.3034

Monochromacy



Original Color

39.9892, 0.2359, 0.2962

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.3150, 0.2776, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9892, 0.2359, 0.2962 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(90, 182, 204)` looks like.

```
.text, #text, p{  
    color:rgb(90, 182, 204)  
}
```

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(90, 182, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 182, 204) }
```

Border

The CSS property to change the border of an element to Yxy 39.9892, 0.2359, 0.2962 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(90, 182, 204) }
```

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

```
.border{ border-color:rgb(90, 182, 204) }
```

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

Here you see how a box with a 4 pixel rgb(90, 182, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 182, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 182, 204);  
box-shadow:4px 4px 4px 4px rgb(90, 182,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9892, 0.2359, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 182, 204) }
```

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

```
.background{ background-color: rgb(90, 182,  
204) }
```

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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