

Converting Colors

$Yxy(39.2813, 0.2221, 0.2938)$

Have a look what the booklet for
Yxy(39.2813, 0.2221, 0.2938)
contains.

Yxy(39.0801, 0.2221, 0.2938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.0801, 0.2221, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	35B7CE
RGB	53, 183, 206
RGB Percent	21%, 72%, 81%
CMY	0.7923, 0.2823, 0.1921
CMYK	0.74, 0.11, 0.00, 0.19
HSL	189°, 61%, 51%
HSV	189°, 74%, 81%
XYZ	29.5429, 39.0801, 64.3930
YIQ	146.7520, -84.8630, -20.4070

Conversions

Conversions Part 2

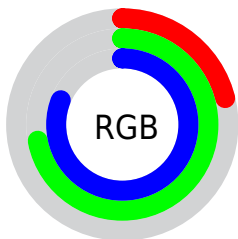
Format	Color
RYB	53, 123, 206
Decimal	3520462
CIELab	68.81, -26.86, -21.65
CIElCh	69, 34.503, 218.872
Yxy	39.0801, 0.2221, 0.2938
Android (android.graphics.Color)	4281710542 (0xFF35B7CE)
YUV	146.7520, 29.2093, -82.2205
Hunter-Lab	62.5141, -25.0443, -17.3122

Details

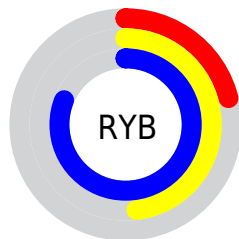
The Yxy color **39.0801, 0.2221, 0.2938** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **18.5496, 0.5447, 0.3522**, and the grayscale version is **28.9710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0906, 0.2415, 0.3100**, and **18.2323, 0.2120, 0.2832** is the 20% darker color. If you saturate the color by 10%, you get **37.3741, 0.2165, 0.2884**, and if you desaturate by 10%, it is **41.0569, 0.2296, 0.2992**.

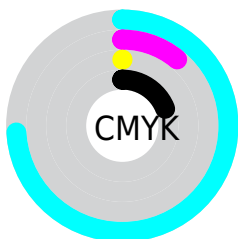
Distribution



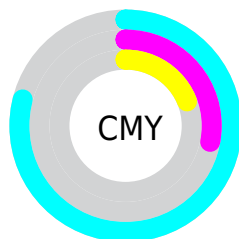
- Red (21%)
- Green (72%)
- Blue (81%)



- Red (21%)
- Yellow (48%)
- Blue (81%)



- Cyan (74%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)





- Cyan (79%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0801, 0.2221, 0.2938 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 39.0801, 0.2221, 0.2938 by changing the saturation by 10% instead.


 39.0801, 0.2221,
0.2938


 39.0801, 0.2221,
0.2938


342.2309, 0.2669,
0.3132


 26.8220, 0.2112,
0.2885


 73.7607, 0.2382,
0.3012


 17.4396, 0.1975,
0.2814


 96.9520, 0.2443,
0.3039


 10.5484, 0.1796,
0.2715


 124.5565, 0.2495,
0.3061

 5.7641, 0.1559,
0.2570

 156.9586, 0.2540,
0.3080

 2.7022, 0.1232,
0.2342

 194.5427, 0.2579,
0.3096

 0.9783, 0.0555,
0.2001

237.6932, 0.2613,

 0.0000, 0.0000,

0.3109

0.0000

286.7945, 0.2643,
0.3121

■ 39.0801, 0.2221,
0.2938

■ 39.0801, 0.2221,
0.2938

■ 37.3741, 0.2165,
0.2884

■ 41.0569, 0.2296,
0.2992

■ 35.9012, 0.2128,
0.2831

■ 43.3277, 0.2390,
0.3044

■ 35.1311, 0.2112,
0.2801

■ 45.9179, 0.2501,
0.3096

■ 48.8486, 0.2627,
0.3145

■ 52.1391, 0.2764,
0.3191

■ 55.8073, 0.2910,
0.3234

■ 59.8695, 0.3061,
0.3274

■ 64.3413, 0.3215,
0.3310

■ 69.2373, 0.3370,
0.3343

Harmonies

Analogous

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



39.0801, 0.2426, 0.3424



39.0801, 0.2221, 0.2938



39.0801, 0.2234, 0.2608

Triad

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



39.0801, 0.2221, 0.2938



39.0801, 0.3386, 0.2766



39.0801, 0.3789, 0.4166

Complementary

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



39.0801, 0.2221, 0.2938



18.5496, 0.5447, 0.3522

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.



39.0801, 0.4093, 0.3895



39.0801, 0.2221, 0.2938



39.0801, 0.3862, 0.3109

Square

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



39.0801, 0.2221, 0.2938



39.0801, 0.2870, 0.2541



39.0801, 0.4127, 0.3510



39.0801, 0.3320, 0.4195

Rectangle

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



39.0801, 0.2221, 0.2938



39.0801, 0.2363, 0.2500



39.0801, 0.4127, 0.3510



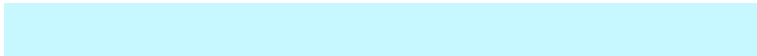
39.0801, 0.3915, 0.4096

Sweetspot

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



39.0815, 0.2221, 0.2938



85.6023, 0.2793, 0.3200



45.4309, 0.2938, 0.5373



17.9892, 0.2754, 0.3188



0.0000, 0.0000, 0.0000



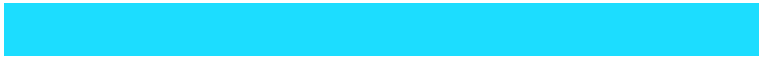
21.4041, 0.3127, 0.3290

Same Dimension

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



39.0815, 0.2221, 0.2938



59.1088, 0.2141, 0.2854



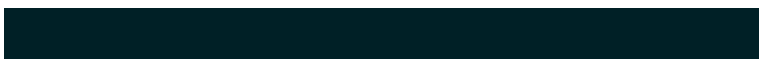
15.6329, 0.1897, 0.1664



12.4283, 0.2983, 0.3254



21.7405, 0.2114, 0.2809



1.2015, 0.2142, 0.2912

Inverse Universe

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



19.0877, 0.3493, 0.1890



27.3061, 0.3582, 0.1788



35.9864, 0.4577, 0.4403



11.3736, 0.3160, 0.3095



9.9977, 0.3626, 0.1771



0.5238, 0.3532, 0.1719

Previews

White Background



This preview shows how the Yxy color 39.0801, 0.2221, 0.2938 looks on a white background.

Color Contrast Check

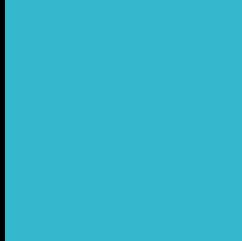
Large Text (above 18pt) WCAG AA × Fail

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 39.0801, 0.2221, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

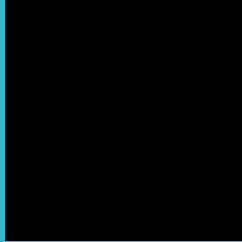
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0801, 0.2221, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 39.0801, 0.2221, 0.2938.



This preview shows how white text looks on a background with the Yxy color 39.0801, 0.2221, 0.2938.

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

39.0801, 0.2221, 0.2938

Protanopia

38.3824, 0.2855, 0.2892

Deuteranopia

38.3211, 0.2727, 0.2664



Tritanopia

39.0329, 0.2244, 0.3055

Trichromacy



Original Color

39.0801, 0.2221, 0.2938



Protanomaly

37.7198, 0.2543, 0.2909



Deuteranomaly

37.4178, 0.2466, 0.2732



Tritanomaly

39.2234, 0.2235, 0.3011

Monochromacy



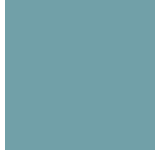
Original Color

39.0801, 0.2221, 0.2938



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.4795, 0.2654, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0801, 0.2221, 0.2938 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(53, 183, 206)` looks like.

```
.text, #text, p{  
    color:rgb(53, 183, 206)  
}
```

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(53, 183, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 183, 206) }
```

Border

The CSS property to change the border of an element to Yxy 39.0801, 0.2221, 0.2938 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(53, 183, 206) }
```

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

```
.border{ border-color:rgb(53, 183, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 183, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 183, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 183, 206);  
box-shadow:4px 4px 4px 4px rgb(53, 183,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0801, 0.2221, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 183, 206) }
```

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

```
.background{ background-color: rgb(53, 183,  
206) }
```

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