

Converting Colors

$Y_{xy}(39.1040, 0.2239, 0.2711)$

Have a look what the booklet for
Yxy(39.1040, 0.2239, 0.2711)
contains.

Yxy(39.1040, 0.2239, 0.2711)	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(39.1040, 0.2239, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	51B3DB
RGB	81, 179, 219
RGB Percent	32%, 70%, 86%
CMY	0.6824, 0.2980, 0.1413
CMYK	0.63, 0.18, 0.00, 0.14
HSL	197°, 66%, 59%
HSV	197°, 63%, 86%
XYZ	32.2958, 39.1040, 72.8422
YIQ	154.2580, -71.2480, -8.3360

Conversions

Conversions Part 2

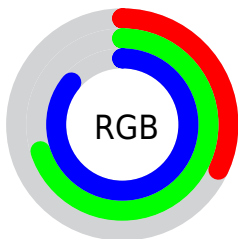
Format	Color
R_{YB}	81, 138, 219
Decimal	5354459
CIE _{Lab}	68.83, -16.73, -28.67
CIE _{LCh}	69, 33.190, 239.735
Yxy	39.1040, 0.2239, 0.2711
Android (android.graphics.Color)	4283544539 (0xFF51B3DB)
YUV	154.2580, 31.9178, -64.2473
Hunter-Lab	62.5332, -17.2453, -25.2911

Details

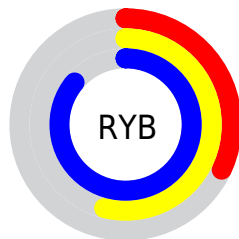
The Yxy color **39.1040, 0.2239, 0.2711** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **29.3147, 0.4792, 0.3744**, and the grayscale version is **32.3146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3874, 0.2488, 0.3057**, and **17.6020, 0.2037, 0.2531** is the 20% darker color. If you saturate the color by 10%, you get **35.8047, 0.2141, 0.2602**, and if you desaturate by 10%, it is **42.8348, 0.2354, 0.2818**.

Distribution



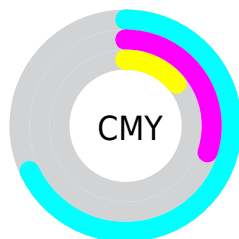
- Red (32%)
- Green (70%)
- Blue (86%)



- Red (32%)
- Yellow (54%)
- Blue (86%)



- Cyan (63%)
- Magenta (18%)
- Yellow (0%)
- Black (14%)



- Cyan (68%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1040, 0.2239, 0.2711 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 39.1040, 0.2239, 0.2711 by changing the saturation by 10% instead.

■ 39.1040, 0.2239,
0.2711

■ 39.1040, 0.2239,
0.2711

■ 342.3324, 0.2678,
0.3013

■ 26.8406, 0.2133,
0.2633

■ 73.7972, 0.2396,
0.2823

■ 17.4536, 0.2000,
0.2532

■ 96.9958, 0.2456,
0.2865

■ 10.5584, 0.1828,
0.2396

■ 124.6082, 0.2507,
0.2899

■ 5.7707, 0.1599,
0.2208

■ 157.0190, 0.2550,
0.2929

■ 2.7062, 0.1288,
0.1931

■ 194.6124, 0.2588,
0.2955

■ 0.9803, 0.0804,
0.1515

■ 237.7728, 0.2622,

■ 0.0000, 0.0000,

0.2977

0.0000

286.8847, 0.2651,
0.2996

■ 39.1040, 0.2239,
0.2711

■ 39.1040, 0.2239,
0.2711

■ 35.8047, 0.2141,
0.2602

■ 42.8348, 0.2354,
0.2818

■ 32.9000, 0.2063,
0.2491

■ 47.0215, 0.2484,
0.2921

■ 30.3520, 0.2005,
0.2382

■ 51.6912, 0.2625,
0.3018

■ 28.7381, 0.1974,
0.2307

■ 56.8674, 0.2774,
0.3109

■ 62.5715, 0.2927,
0.3193

68.8240, 0.3081,
0.3269

75.6437, 0.3234,
0.3337

82.8254, 0.3375,
0.3398

86.4148, 0.3366,
0.3461

Harmonies

Analogous

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



39.1040, 0.2291, 0.3084



39.1040, 0.2239, 0.2711



39.1040, 0.2397, 0.2525

Triad

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



39.1040, 0.2239, 0.2711



39.1040, 0.3709, 0.3007



39.1040, 0.3461, 0.4182

Complementary

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



39.1040, 0.2239, 0.2711



29.3147, 0.4792, 0.3744

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.



39.1040, 0.3877, 0.4074



39.1040, 0.2239, 0.2711



39.1040, 0.4039, 0.3385

Square

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



39.1040, 0.2239, 0.2711



39.1040, 0.3223, 0.2704



39.1040, 0.4097, 0.3770



39.1040, 0.2976, 0.4000

Rectangle

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



39.1040, 0.2239, 0.2711



39.1040, 0.2610, 0.2508



39.1040, 0.4097, 0.3770



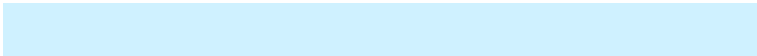
39.1040, 0.3614, 0.4175

Sweetspot

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



39.1054, 0.2239, 0.2711



83.3116, 0.2833, 0.3142



53.7550, 0.2858, 0.4785



17.3469, 0.2789, 0.3117



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.



39.1054, 0.2239, 0.2711



49.0042, 0.2111, 0.2561



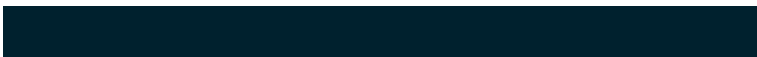
18.2075, 0.1997, 0.1664



14.1592, 0.2982, 0.3221



17.2422, 0.1979, 0.2323



1.2624, 0.2028, 0.2499

Inverse Universe

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



24.1950, 0.3673, 0.2206



28.7362, 0.3838, 0.2073



52.0775, 0.4207, 0.4480



13.2072, 0.3182, 0.3125



10.3644, 0.4102, 0.2034



0.6861, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 39.1040, 0.2239, 0.2711 looks on a white background.

Color Contrast Check

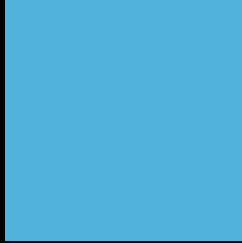
Large Text (above 18pt) WCAG AA × Fail

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 39.1040, 0.2239, 0.2711 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 39.1040, 0.2239, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 39.1040, 0.2239, 0.2711.



This preview shows how white text looks on a background with the Yxy color 39.1040, 0.2239, 0.2711.

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

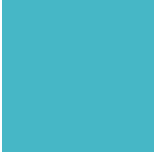
39.1040, 0.2239, 0.2711

Protanopia

38.5816, 0.2705, 0.2698

Deuteranopia

38.5971, 0.2594, 0.2528



Tritanopia

39.2463, 0.2311, 0.3058

Trichromacy



Original Color

39.1040, 0.2239, 0.2711

Protanomaly

38.2207, 0.2494, 0.2689

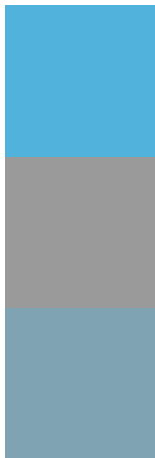
Deuteranomaly

38.1084, 0.2432, 0.2575

Tritanomaly

39.3680, 0.2283, 0.2928

Monochromacy



Original Color

39.1040, 0.2239, 0.2711

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.9208, 0.2695, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1040, 0.2239, 0.2711 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(81, 179, 219)` looks like.

```
.text, #text, p{  
    color:rgb(81, 179, 219)  
}
```

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(81, 179, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 179, 219) }
```

Border

The CSS property to change the border of an element to Yxy 39.1040, 0.2239, 0.2711 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(81, 179, 219) }
```

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

```
.border{ border-color:rgb(81, 179, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 179, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 179, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 179, 219);  
box-shadow:4px 4px 4px 4px rgb(81, 179,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1040, 0.2239, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 179, 219) }
```

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

```
.background{ background-color: rgb(81, 179,  
219) }
```

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