

Converting Colors

$Y_{xy}(39.1810, 0.2686, 0.3125)$

Have a look what the booklet for
Yxy(39.1810, 0.2686, 0.3125)
contains.

Yxy(39.0731, 0.2682, 0.3113)	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(39.0731, 0.2682, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	83AFBB
RGB	131, 175, 187
RGB Percent	51%, 69%, 73%
CMY	0.4861, 0.3137, 0.2667
CMYK	0.30, 0.06, 0.00, 0.27
HSL	193°, 29%, 62%
HSV	193°, 30%, 73%
XYZ	33.6634, 39.0731, 52.7794
YIQ	163.2120, -30.0760, -5.5960

Conversions

Conversions Part 2

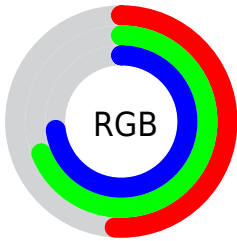
Format	Color
R_{YB}	131, 156, 187
Decimal	8630203
CIE _{Lab}	68.80, -11.77, -10.89
CIE _{LCh}	69, 16.041, 222.775
Yxy	39.0731, 0.2682, 0.3113
Android (android.graphics.Color)	4286820283 (0xFF83AFBB)
YUV	163.2120, 11.7275, -28.2499
Hunter-Lab	62.5085, -13.2603, -6.3060

Details

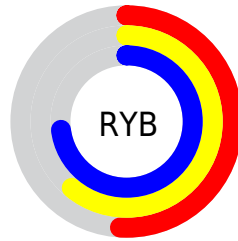
The Yxy color **39.0731, 0.2682, 0.3113** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.8606, 0.3737, 0.3459**, and the grayscale version is **36.6893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9372, 0.2763, 0.3155**, and **17.5494, 0.2548, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **36.1753, 0.2546, 0.3044**, and if you desaturate by 10%, it is **42.2898, 0.2826, 0.3177**.

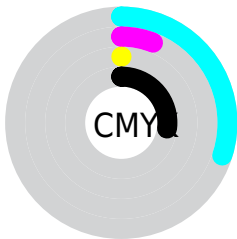
Distribution



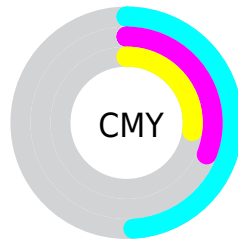
- Red (51%)
- Green (69%)
- Blue (73%)



- Red (51%)
- Yellow (61%)
- Blue (73%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)



- Cyan (49%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0731, 0.2682, 0.3113 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 39.0731, 0.2682, 0.3113 by changing the saturation by 10% instead.

■ 39.0731, 0.2682,
0.3113

■ 39.0731, 0.2682,
0.3113

■ 342.2012, 0.2908,
0.3207

■ 26.8166, 0.2625,
0.3088

■ 73.7500, 0.2765,
0.3149

■ 17.4355, 0.2551,
0.3054

■ 96.9391, 0.2796,
0.3162

■ 10.5455, 0.2451,
0.3007

■ 124.5413, 0.2822,
0.3172

■ 5.7621, 0.2312,
0.2937

■ 156.9409, 0.2844,
0.3182

■ 2.7010, 0.2101,
0.2825

■ 194.5223, 0.2863,
0.3189

■ 0.9777, 0.1718,
0.2629

■ 237.6699, 0.2880,

■ 0.0000, 0.0000,

0.3196

0.0000

286.7680, 0.2895,
0.3202

■ 39.0731, 0.2682,
0.3113

■ 39.0731, 0.2682,
0.3113

■ 36.1753, 0.2546,
0.3044

■ 42.2898, 0.2826,
0.3177

■ 33.5770, 0.2422,
0.2972

■ 45.8347, 0.2976,
0.3236

■ 31.2633, 0.2312,
0.2896

■ 49.7221, 0.3128,
0.3290

■ 29.2164, 0.2219,
0.2818

■ 53.9642, 0.3280,
0.3339

■ 27.4156, 0.2145,
0.2740

■ 58.5726, 0.3430,
0.3383

■ 25.8369, 0.2091,
0.2662

■ 63.5581, 0.3577,
0.3421

■ 24.4327, 0.2051,
0.2585

■ 67.5921, 0.3662,
0.3458

■ 24.4225, 0.2051,
0.2584

■ 69.5117, 0.3652,
0.3499

■ 71.4807, 0.3641,
0.3540

Harmonies

Analogous

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



39.0731, 0.2775, 0.3329



39.0731, 0.2682, 0.3113



39.0731, 0.2702, 0.2957

Triad

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



39.0731, 0.2682, 0.3113



39.0731, 0.3284, 0.3055



39.0731, 0.3421, 0.3706

Complementary

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



39.0731, 0.2682, 0.3113



31.8606, 0.3737, 0.3459

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.



39.0731, 0.3568, 0.3611



39.0731, 0.2682, 0.3113



39.0731, 0.3489, 0.3237

Square

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



39.0731, 0.2682, 0.3113



39.0731, 0.3043, 0.2931



39.0731, 0.3594, 0.3438



39.0731, 0.3198, 0.3684

Rectangle

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



39.0731, 0.2682, 0.3113



39.0731, 0.2777, 0.2904



39.0731, 0.3594, 0.3438



39.0731, 0.3481, 0.3686

Sweetspot

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



39.0747, 0.2682, 0.3113



82.6129, 0.2988, 0.3241



42.3279, 0.3007, 0.3973



17.9782, 0.2966, 0.3233



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.0747, 0.2682, 0.3113



66.4666, 0.2590, 0.3068



29.5410, 0.2636, 0.2695



10.4528, 0.2985, 0.3240



16.9362, 0.2054, 0.2593



0.7517, 0.2105, 0.2779

Inverse Universe

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



29.9021, 0.3285, 0.2702



47.7348, 0.3329, 0.2570



41.0323, 0.3632, 0.3821



9.6603, 0.3169, 0.3112



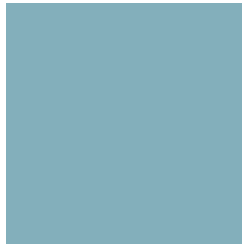
8.7394, 0.3830, 0.1884



0.3512, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 39.0731, 0.2682, 0.3113 looks on a white background.

Color Contrast Check

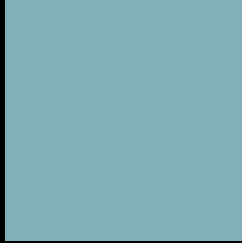
Large Text (above 18pt) WCAG AA × Fail

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 39.0731, 0.2682, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

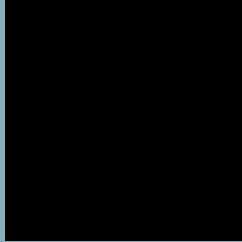
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0731, 0.2682, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 39.0731, 0.2682, 0.3113.

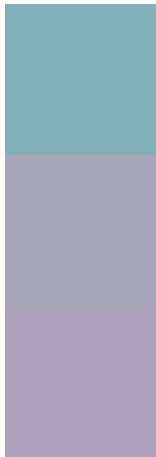


This preview shows how white text looks on a background with the Yxy color 39.0731, 0.2682, 0.3113.

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

39.0731, 0.2682, 0.3113

Protanopia

38.7568, 0.2993, 0.3068

Deuteranopia

38.7527, 0.2998, 0.2940



Tritanopia

39.1594, 0.2668, 0.3085

Trichromacy



Original Color

39.0731, 0.2682, 0.3113

Protanomaly

38.6089, 0.2867, 0.3077

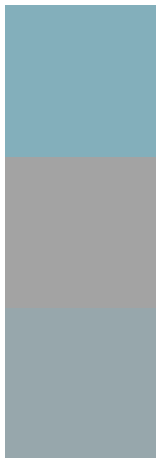
Deuteranomaly

38.5374, 0.2877, 0.2997

Tritanomaly

39.1161, 0.2675, 0.3099

Monochromacy



Original Color

39.0731, 0.2682, 0.3113

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.1953, 0.2943, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0731, 0.2682, 0.3113 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(131, 175, 187)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 187)  
}
```

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(131, 175, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 187) }
```

Border

The CSS property to change the border of an element to Yxy 39.0731, 0.2682, 0.3113 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(131, 175, 187) }
```

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

```
.border{ border-color:rgb(131, 175, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 175, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 187);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0731, 0.2682, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 175, 187) }
```

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

```
.background{ background-color: rgb(131,  
175, 187) }
```

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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