

Converting Colors

$Yxy(38.9309, 0.2308, 0.3102)$

Have a look what the booklet for
Yxy(38.9309, 0.2308, 0.3102)
contains.

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Color

Yxy(38.9309, 0.2308, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	41B7C3
RGB	65, 183, 195
RGB Percent	25%, 72%, 76%
CMY	0.7447, 0.2824, 0.2354
CMYK	0.67, 0.06, 0.00, 0.24
HSL	186°, 52%, 51%
HSV	186°, 67%, 76%
XYZ	28.9660, 38.9309, 57.6057
YIQ	149.0860, -74.1800, -21.2840

Conversions

Conversions Part 2

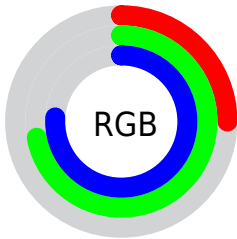
Format	Color
RYB	65, 127, 195
Decimal	4306883
CIELab	68.70, -28.62, -15.72
CIELCh	69, 32.650, 208.784
Yxy	38.9309, 0.2308, 0.3102
Android (android.graphics.Color)	4282496963 (0xFF41B7C3)
YUV	149.0860, 22.6356, -73.7434
Hunter-Lab	62.3946, -26.3240, -11.0631

Details

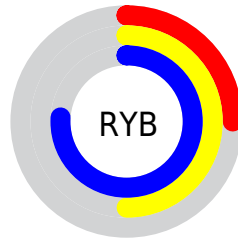
The Yxy color **38.9309, 0.2308, 0.3102** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **17.3002, 0.5182, 0.3433**, and the grayscale version is **30.0295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3505, 0.2451, 0.3136**, and **17.8884, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **37.6395, 0.2245, 0.3070**, and if you desaturate by 10%, it is **40.4643, 0.2390, 0.3134**.

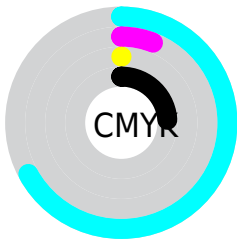
Distribution



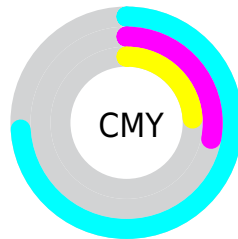
- Red (25%)
- Green (72%)
- Blue (76%)



- Red (25%)
- Yellow (50%)
- Blue (76%)



- Cyan (67%)
- Magenta (6%)
- Yellow (0%)
- Black (24%)





- Cyan (74%)
- Magenta (28%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9309, 0.2308, 0.3102 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 38.9309, 0.2308, 0.3102 by changing the saturation by 10% instead.


 38.9309, 0.2308,
0.3102


 38.9309, 0.2308,
0.3102


341.5966, 0.2717,
0.3211


 26.7060, 0.2207,
0.3070


 73.5327, 0.2456,
0.3145


 17.3525, 0.2079,
0.3027


 96.6785, 0.2512,
0.3160


 10.4862, 0.1911,
0.2964


 124.2332, 0.2559,
0.3172

 5.7225, 0.1683,
0.2868

 156.5814, 0.2599,
0.3183

 2.6771, 0.1360,
0.2706

 194.1075, 0.2635,
0.3191

 0.9656, 0.0559,
0.2488

237.1958, 0.2665,

 0.0000, 0.0000,

0.3199

0.0000

286.2307, 0.2693,
0.3205

■ 38.9309, 0.2308,
0.3102

■ 38.9309, 0.2308,
0.3102

■ 37.6395, 0.2245,
0.3070

■ 40.4643, 0.2390,
0.3134

■ 36.5611, 0.2201,
0.3039

■ 42.2568, 0.2490,
0.3165

■ 35.6644, 0.2173,
0.3008

■ 44.3287, 0.2606,
0.3195

■ 35.3809, 0.2166,
0.2997

■ 46.6969, 0.2736,
0.3223

■ 49.3774, 0.2877,
0.3250

■ 52.3844, 0.3026,
0.3275

■ 55.7318, 0.3180,
0.3297

■ 59.4323, 0.3335,
0.3318

■ 63.4980, 0.3491,
0.3336

Harmonies

Analogous

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



38.9309, 0.2571, 0.3583



38.9309, 0.2308, 0.3102



38.9309, 0.2249, 0.2729

Triad

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



38.9309, 0.2308, 0.3102



38.9309, 0.3206, 0.2704



38.9309, 0.3877, 0.4056

Complementary

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



38.9309, 0.2308, 0.3102



17.3002, 0.5182, 0.3433

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.



38.9309, 0.4086, 0.3752



38.9309, 0.2308, 0.3102



38.9309, 0.3687, 0.3000

Square

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



38.9309, 0.2308, 0.3102



38.9309, 0.2737, 0.2537



38.9309, 0.4019, 0.3372



38.9309, 0.3472, 0.4169

Rectangle

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



38.9309, 0.2308, 0.3102



38.9309, 0.2327, 0.2580



38.9309, 0.4019, 0.3372



38.9309, 0.3974, 0.3970

Sweetspot

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



38.9324, 0.2308, 0.3102



86.6148, 0.2824, 0.3240



40.6693, 0.2982, 0.5273



18.6669, 0.2784, 0.3232



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.



38.9324, 0.2308, 0.3102



66.4897, 0.2222, 0.3056



18.3101, 0.2047, 0.2009



11.2644, 0.2984, 0.3268



23.0660, 0.2167, 0.3001



1.0438, 0.2186, 0.3071

Inverse Universe

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



18.8093, 0.3346, 0.1911



29.0330, 0.3398, 0.1752



30.9907, 0.4502, 0.4233



10.2310, 0.3151, 0.3084



9.6108, 0.3453, 0.1676



0.4200, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 38.9309, 0.2308, 0.3102 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 38.9309, 0.2308, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

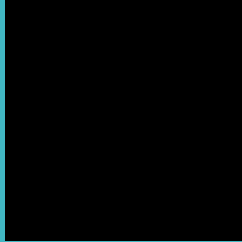
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

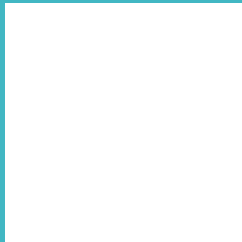
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9309, 0.2308, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 38.9309, 0.2308, 0.3102.



This preview shows how white text looks on a background with the Yxy color 38.9309, 0.2308, 0.3102.

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

38.9309, 0.2308, 0.3102

Protanopia

38.2635, 0.2959, 0.3026

Deuteranopia

38.4249, 0.2858, 0.2806



Tritanopia

39.0564, 0.2301, 0.3072

Trichromacy



Original Color

38.9309, 0.2308, 0.3102

Protanomaly

37.7251, 0.2648, 0.3052

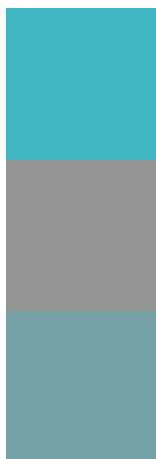
Deuteranomaly

37.4938, 0.2586, 0.2884

Tritanomaly

39.0107, 0.2306, 0.3087

Monochromacy



Original Color

38.9309, 0.2308, 0.3102

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.0945, 0.2709, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9309, 0.2308, 0.3102 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(65, 183, 195)` looks like.

```
.text, #text, p{  
    color:rgb(65, 183, 195)  
}
```

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(65, 183, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 183, 195) }
```

Border

The CSS property to change the border of an element to Yxy 38.9309, 0.2308, 0.3102 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(65, 183, 195) }
```

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

```
.border{ border-color:rgb(65, 183, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 183, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 183, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 183, 195);  
box-shadow:4px 4px 4px 4px rgb(65, 183,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9309, 0.2308, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 183, 195) }
```

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

```
.background{ background-color: rgb(65, 183,  
195) }
```

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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