

Converting Colors

$Yxy(39.0622, 0.2303, 0.3182)$

Have a look what the booklet for
Yxy(39.0622, 0.2303, 0.3182)
contains.

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Color

Yxy(38.8833, 0.2302, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	38B8BF
RGB	56, 184, 191
RGB Percent	22%, 72%, 75%
CMY	0.7812, 0.2784, 0.2510
CMYK	0.71, 0.04, 0.00, 0.25
HSL	183°, 55%, 48%
HSV	183°, 71%, 75%
XYZ	28.1653, 38.8833, 55.3029
YIQ	146.5260, -78.5350, -24.9590

Conversions

Conversions Part 2

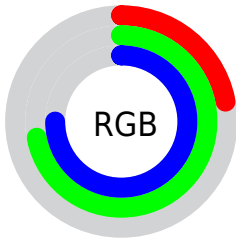
Format	Color
RYB	56, 122, 191
Decimal	3717311
CIELab	68.67, -31.60, -13.60
CIELCh	69, 34.397, 203.282
Yxy	38.8833, 0.2302, 0.3178
Android (android.graphics.Color)	4281907391 (0xFF38B8BF)
YUV	146.5260, 21.9257, -79.3913
Hunter-Lab	62.3565, -28.4986, -8.9337

Details

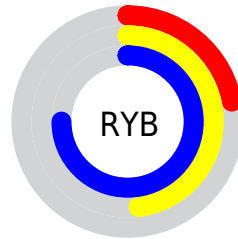
The Yxy color **38.8833, 0.2302, 0.3178** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **14.8872, 0.5424, 0.3370**, and the grayscale version is **28.8816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1732, 0.2452, 0.3205**, and **17.8002, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **38.0300, 0.2252, 0.3161**, and if you desaturate by 10%, it is **39.9520, 0.2371, 0.3195**.

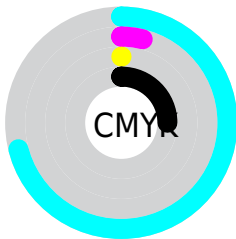
Distribution



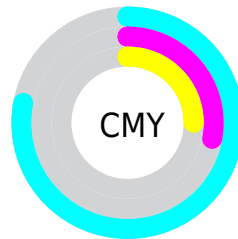
- Red (22%)
- Green (72%)
- Blue (75%)



- Red (22%)
- Yellow (48%)
- Blue (75%)



- Cyan (71%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)





- Cyan (78%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8833, 0.2302, 0.3178 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 38.8833, 0.2302, 0.3178 by changing the saturation by 10% instead.


 38.8833, 0.2302,
0.3178


 38.8833, 0.2302,
0.3178


341.3941, 0.2715,
0.3248


 26.6690, 0.2200,
0.3156


 73.4600, 0.2451,
0.3207


 17.3248, 0.2070,
0.3125


 96.5912, 0.2508,
0.3217


 10.4663, 0.1900,
0.3078


 124.1300, 0.2555,
0.3224

 5.7092, 0.1668,
0.3004

 156.4610, 0.2596,
0.3231

 2.6691, 0.1339,
0.2874

 193.9685, 0.2632,
0.3236

 0.9615, 0.0401,
0.2741

237.0369, 0.2663,

 0.0000, 0.0000,

0.3241

0.0000

286.0507, 0.2690,
0.3245

■ 38.8833, 0.2302,
0.3178

■ 38.8833, 0.2302,
0.3178

■ 38.0300, 0.2252,
0.3161

■ 39.9520, 0.2371,
0.3195

■ 37.3622, 0.2220,
0.3144

■ 41.2530, 0.2459,
0.3213

■ 36.8669, 0.2202,
0.3128

■ 42.8067, 0.2564,
0.3229

■ 44.6299, 0.2685,
0.3246

■ 46.7379, 0.2819,
0.3261

■ 49.1451, 0.2963,
0.3276

■ 51.8646, 0.3115,
0.3289

■ 54.9089, 0.3271,
0.3301

■ 58.2898, 0.3429,
0.3312

Harmonies

Analogous

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



38.8833, 0.2613, 0.3691



38.8833, 0.2302, 0.3178



38.8833, 0.2201, 0.2756

Triad

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



38.8833, 0.2302, 0.3178



38.8833, 0.3113, 0.2632



38.8833, 0.3974, 0.4046

Complementary

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



38.8833, 0.2302, 0.3178



14.8872, 0.5424, 0.3370

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.



38.8833, 0.4147, 0.3702



38.8833, 0.2302, 0.3178



38.8833, 0.3630, 0.2920

Square

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



38.8833, 0.2302, 0.3178



38.8833, 0.2638, 0.2487



38.8833, 0.4022, 0.3299



38.8833, 0.3576, 0.4216

Rectangle

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



38.8833, 0.2302, 0.3178



38.8833, 0.2256, 0.2577



38.8833, 0.4022, 0.3299



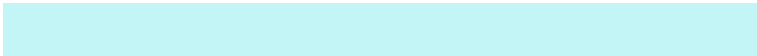
38.8833, 0.4062, 0.3944

Sweetspot

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



38.8848, 0.2302, 0.3178



83.5003, 0.2812, 0.3260



38.4449, 0.2997, 0.5451



18.0943, 0.2773, 0.3256



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.8848, 0.2302, 0.3178



67.4190, 0.2232, 0.3151



17.2330, 0.2010, 0.1998



10.7230, 0.2985, 0.3278



24.2691, 0.2203, 0.3130



0.9767, 0.2214, 0.3171

Inverse Universe

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



17.3448, 0.3288, 0.1808



27.2534, 0.3320, 0.1664



27.3638, 0.4648, 0.4212



9.6876, 0.3145, 0.3075



9.4797, 0.3341, 0.1614



0.3740, 0.3307, 0.1595

Previews

White Background



This preview shows how the Yxy color 38.8833, 0.2302, 0.3178 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 38.8833, 0.2302, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

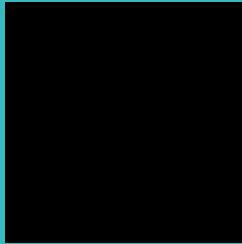
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

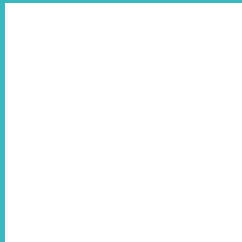
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8833, 0.2302, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 38.8833, 0.2302, 0.3178.

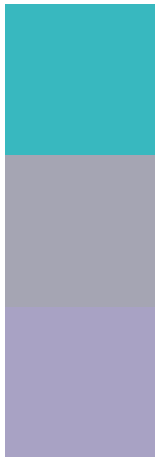


This preview shows how white text looks on a background with the Yxy color 38.8833, 0.2302, 0.3178.

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

38.8833, 0.2302, 0.3178

Protanopia

38.1643, 0.3009, 0.3094

Deuteranopia

38.1510, 0.2897, 0.2832



Tritanopia

38.9048, 0.2277, 0.3056

Trichromacy



Original Color

38.8833, 0.2302, 0.3178



Protanomaly

37.2839, 0.2661, 0.3124



Deuteranomaly

37.1565, 0.2598, 0.2937



Tritanomaly

38.7066, 0.2285, 0.3101

Monochromacy



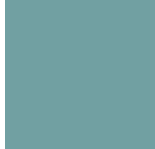
Original Color

38.8833, 0.2302, 0.3178



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.2610, 0.2698, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8833, 0.2302, 0.3178 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(56, 184, 191)` looks like.

```
.text, #text, p{  
    color:rgb(56, 184, 191)  
}
```

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(56, 184, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 184, 191) }
```

Border

The CSS property to change the border of an element to Yxy 38.8833, 0.2302, 0.3178 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(56, 184, 191) }
```

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

```
.border{ border-color:rgb(56, 184, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 184, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 184, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 184, 191);  
box-shadow:4px 4px 4px 4px rgb(56, 184,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8833, 0.2302, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 184, 191) }
```

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

```
.background{ background-color: rgb(56, 184,  
191) }
```

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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