

Converting Colors

$Y_{xy}(37.9720, 0.2302, 0.3316)$

Have a look what the booklet for
Yxy(37.9720, 0.2302, 0.3316)
contains.

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Color

Yxy(38.0897, 0.2303, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	27B8B6
RGB	39, 184, 182
RGB Percent	15%, 72%, 71%
CMY	0.8469, 0.2784, 0.2863
CMYK	0.79, 0.00, 0.01, 0.28
HSL	179°, 65%, 44%
HSV	179°, 79%, 72%
XYZ	26.4219, 38.0897, 50.2165
YIQ	140.4170, -85.7780, -31.3620

Conversions

Conversions Part 2

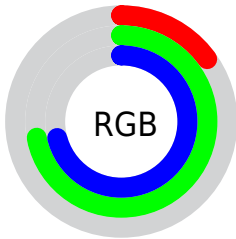
Format	Color
RYB	39, 112, 184
Decimal	2603190
CIELab	68.09, -36.12, -9.55
CIELCh	68, 37.362, 194.803
Yxy	38.0897, 0.2303, 0.3320
Android (android.graphics.Color)	4280793270 (0xFF27B8B6)
YUV	140.4170, 20.5004, -88.9427
Hunter-Lab	61.7169, -31.5861, -5.0400

Details

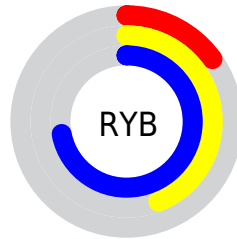
The Yxy color **38.0897, 0.2303, 0.3320** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.8051, 0.5808, 0.3281**, and the grayscale version is **26.3459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5284, 0.2456, 0.3325**, and **17.5502, 0.2253, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **37.8040, 0.2274, 0.3324**, and if you desaturate by 10%, it is **38.5524, 0.2350, 0.3316**.

Distribution



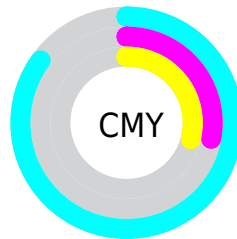
- Red (15%)
- Green (72%)
- Blue (71%)



- Red (15%)
- Yellow (44%)
- Blue (72%)



- Cyan (79%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)



- Cyan (85%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0897, 0.2303, 0.3320 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 38.0897, 0.2303, 0.3320 by changing the saturation by 10% instead.


 38.0897, 0.2303,
0.3320


 38.0897, 0.2303,
0.3320


338.0046, 0.2718,
0.3316

 26.0523, 0.2199,
0.3317


 72.2456, 0.2454,
0.3321


 16.8628, 0.2067,
0.3311


 95.1329, 0.2511,
0.3321

 10.1367, 0.1892,
0.3298


 122.4056, 0.2559,
0.3320

 5.4897, 0.1651,
0.3270

 154.4482, 0.2600,
0.3319

 2.5373, 0.1308,
0.3207

 191.6450, 0.2635,
0.3319

 0.8953, 0.0000,
0.3305

234.3804, 0.2666,

 0.0000, 0.0000,

0.3318

0.0000

283.0388, 0.2694,
0.3317

■ 38.0897, 0.2303,
0.3320

■ 38.0897, 0.2303,
0.3320

■ 37.8040, 0.2274,
0.3324

■ 38.5524, 0.2350,
0.3316

■ 37.6524, 0.2260,
0.3329

■ 39.2102, 0.2416,
0.3311

■ 37.6366, 0.2258,
0.3329

■ 40.0832, 0.2500,
0.3307

■ 41.1884, 0.2603,
0.3303

■ 42.5407, 0.2721,
0.3299

■ 44.1539, 0.2853,
0.3296

■ 46.0410, 0.2995,
0.3293

■ 48.2136, 0.3146,
0.3290

■ 50.6832, 0.3301,
0.3287

Harmonies

Analogous

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



38.0897, 0.2694, 0.3881



38.0897, 0.2303, 0.3320



38.0897, 0.2130, 0.2814

Triad

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



38.0897, 0.2303, 0.3320



38.0897, 0.2951, 0.2516



38.0897, 0.4133, 0.4014

Complementary

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



38.0897, 0.2303, 0.3320



11.8051, 0.5808, 0.3281

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.



38.0897, 0.4238, 0.3608



38.0897, 0.2303, 0.3320



38.0897, 0.3521, 0.2787

Square

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



38.0897, 0.2303, 0.3320



38.0897, 0.2476, 0.2410



38.0897, 0.4010, 0.3173



38.0897, 0.3752, 0.4277

Rectangle

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



38.0897, 0.2303, 0.3320



38.0897, 0.2145, 0.2582



38.0897, 0.4010, 0.3173



38.0897, 0.4203, 0.3888

Sweetspot

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



38.0911, 0.2303, 0.3320



78.3362, 0.2777, 0.3298



34.9091, 0.3021, 0.5719



16.6734, 0.2732, 0.3299



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.0911, 0.2303, 0.3320



68.3106, 0.2263, 0.3328



15.9142, 0.1962, 0.2014



10.2085, 0.2987, 0.3293



25.9395, 0.2258, 0.3329



0.9151, 0.2255, 0.3317

Inverse Universe

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



11.8051, 0.5808, 0.3281



18.7702, 0.6325, 0.3293



21.2977, 0.4964, 0.4128



9.0142, 0.3286, 0.3287



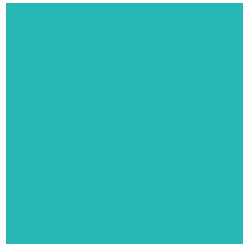
7.0278, 0.6383, 0.3290



0.2484, 0.6310, 0.3250

Previews

White Background



This preview shows how the Yxy color 38.0897, 0.2303, 0.3320 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 38.0897, 0.2303, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

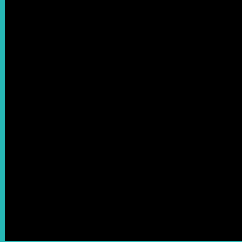
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

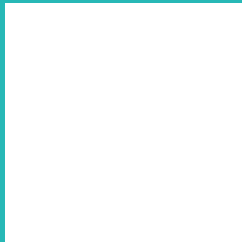
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0897, 0.2303, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 38.0897, 0.2303, 0.3320.

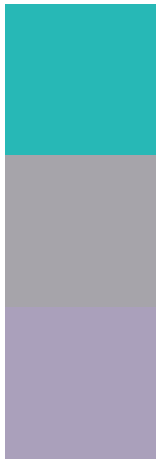


This preview shows how white text looks on a background with the Yxy color 38.0897, 0.2303, 0.3320.

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

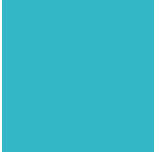
38.0897, 0.2303, 0.3320

Protanopia

37.5602, 0.3094, 0.3205

Deuteranopia

37.2755, 0.2987, 0.2921



Tritanopia

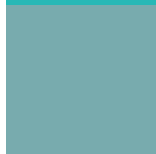
38.1909, 0.2252, 0.3054

Trichromacy



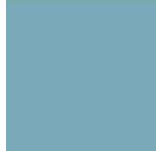
Original Color

38.0897, 0.2303, 0.3320



Protanomaly

36.1749, 0.2684, 0.3242



Deuteranomaly

36.0163, 0.2620, 0.3047



Tritanomaly

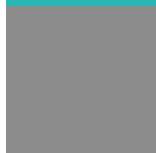
38.2771, 0.2270, 0.3145

Monochromacy



Original Color

38.0897, 0.2303, 0.3320



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.0271, 0.2665, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0897, 0.2303, 0.3320 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(39, 184, 182)` looks like.

```
.text, #text, p{  
    color:rgb(39, 184, 182)  
}
```

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(39, 184, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 184, 182) }
```

Border

The CSS property to change the border of an element to Yxy 38.0897, 0.2303, 0.3320 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(39, 184, 182) }
```

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

```
.border{ border-color:rgb(39, 184, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 184, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 184, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 184, 182);  
box-shadow:4px 4px 4px 4px rgb(39, 184,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0897, 0.2303, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 184, 182) }
```

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

```
.background{ background-color: rgb(39, 184,  
182) }
```

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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