

Converting Colors

$Yxy(38.3720, 0.2337, 0.3451)$

Have a look what the booklet for
Yxy(38.3720, 0.2337, 0.3451)
contains.

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Color

Yxy(38.1864, 0.2337, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	25B9AF
RGB	37, 185, 175
RGB Percent	15%, 73%, 69%
CMY	0.8554, 0.2745, 0.3138
CMYK	0.80, 0.00, 0.05, 0.27
HSL	176°, 67%, 44%
HSV	176°, 80%, 73%
XYZ	25.8447, 38.1864, 46.5580
YIQ	139.6080, -84.9980, -34.4860

Conversions

Conversions Part 2

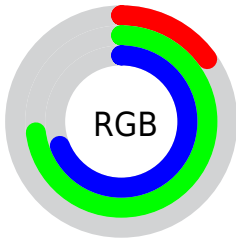
Format	Color
RYB	37, 114, 185
Decimal	2472367
CIELab	68.16, -38.82, -5.58
CIELCh	68, 39.220, 188.173
Yxy	38.1864, 0.2337, 0.3453
Android (android.graphics.Color)	4280662447 (0xFF25B9AF)
YUV	139.6080, 17.4483, -89.9872
Hunter-Lab	61.7951, -33.4872, -1.4140

Details

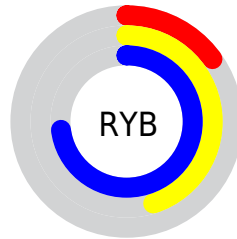
The Yxy color **38.1864, 0.2337, 0.3453** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.8347, 0.5746, 0.3211**, and the grayscale version is **26.0066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5324, 0.2485, 0.3436**, and **17.6627, 0.2298, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **37.8802, 0.2314, 0.3475**, and if you desaturate by 10%, it is **38.6690, 0.2378, 0.3430**.

Distribution



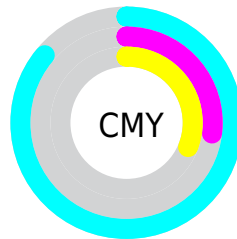
- Red (15%)
- Green (73%)
- Blue (69%)



- Red (15%)
- Yellow (45%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)





- Cyan (86%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1864, 0.2337, 0.3453 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 38.1864, 0.2337, 0.3453 by changing the saturation by 10% instead.


 38.1864, 0.2337,
0.3453


 38.1864, 0.2337,
0.3453


338.4189, 0.2737,
0.3377

 26.1274, 0.2236,
0.3470


 72.3938, 0.2483,
0.3427


 16.9190, 0.2107,
0.3490


 95.3109, 0.2538,
0.3417


 10.1767, 0.1935,
0.3513


 122.6162, 0.2584,
0.3408

 5.5163, 0.1697,
0.3539

 154.6940, 0.2624,
0.3400

 2.5533, 0.1351,
0.3562

 191.9288, 0.2658,
0.3393

 0.9032, 0.0000,
0.3865

234.7050, 0.2688,

 0.0000, 0.0000,

0.3387

0.0000

283.4069, 0.2714,
0.3382

■ 38.1864, 0.2337,
0.3453

■ 38.1864, 0.2337,
0.3453

■ 37.8802, 0.2314,
0.3475

■ 38.6690, 0.2378,
0.3430

■ 37.6999, 0.2305,
0.3498

■ 39.3469, 0.2438,
0.3408

■ 40.2410, 0.2517,
0.3386

■ 41.3685, 0.2613,
0.3364

■ 42.7449, 0.2724,
0.3344

■ 44.3843, 0.2849,
0.3324

■ 46.2999, 0.2984,
0.3307

■ 48.5038, 0.3126,
0.3290

■ 51.0075, 0.3273,
0.3275

Harmonies

Analogous

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



38.1864, 0.2785, 0.4025



38.1864, 0.2337, 0.3453



38.1864, 0.2105, 0.2891

Triad

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



38.1864, 0.2337, 0.3453



38.1864, 0.2818, 0.2442



38.1864, 0.4233, 0.3957

Complementary

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



38.1864, 0.2337, 0.3453



11.8347, 0.5746, 0.3211

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.



38.1864, 0.4270, 0.3517



38.1864, 0.2337, 0.3453



38.1864, 0.3406, 0.2690

Square

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



38.1864, 0.2337, 0.3453



38.1864, 0.2362, 0.2374



38.1864, 0.3958, 0.3070



38.1864, 0.3885, 0.4282

Rectangle

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



38.1864, 0.2337, 0.3453



38.1864, 0.2086, 0.2617



38.1864, 0.3958, 0.3070



38.1864, 0.4284, 0.3816

Sweetspot

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



38.1878, 0.2337, 0.3453



78.1546, 0.2794, 0.3333



35.4934, 0.3056, 0.5721



16.6287, 0.2750, 0.3340



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.



38.1878, 0.2337, 0.3453



67.5943, 0.2307, 0.3492



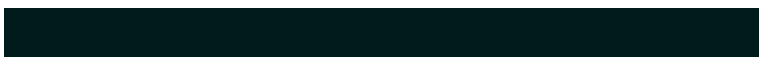
18.1303, 0.1997, 0.2177



10.1999, 0.2994, 0.3305



25.6713, 0.2304, 0.3495



0.9081, 0.2288, 0.3437

Inverse Universe

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



11.8347, 0.5746, 0.3211



18.7518, 0.6280, 0.3261



19.2950, 0.5136, 0.4002



9.0218, 0.3277, 0.3275



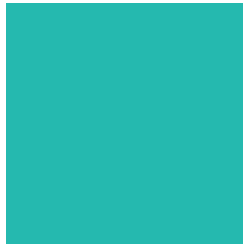
7.0462, 0.6314, 0.3252



0.2517, 0.5986, 0.3071

Previews

White Background



This preview shows how the Yxy color 38.1864, 0.2337, 0.3453 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 38.1864, 0.2337, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

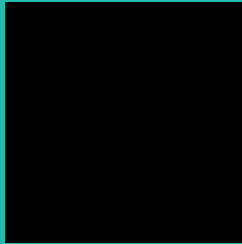
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

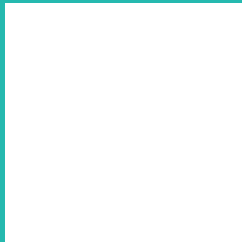
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1864, 0.2337, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 38.1864, 0.2337, 0.3453.

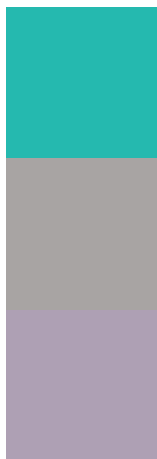


This preview shows how white text looks on a background with the Yxy color 38.1864, 0.2337, 0.3453.

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

38.1864, 0.2337, 0.3453

Protanopia

37.5201, 0.3174, 0.3304

Deuteranopia

37.4356, 0.3084, 0.3017



Tritanopia

38.2714, 0.2260, 0.3054

Trichromacy



Original Color

38.1864, 0.2337, 0.3453



Protanomaly

36.2881, 0.2735, 0.3367



Deuteranomaly

35.8754, 0.2682, 0.3151



Tritanomaly

38.1695, 0.2286, 0.3192

Monochromacy



Original Color

38.1864, 0.2337, 0.3453



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.9016, 0.2672, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1864, 0.2337, 0.3453 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(37, 185, 175)` looks like.

```
.text, #text, p{  
    color:rgb(37, 185, 175)  
}
```

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(37, 185, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 185, 175) }
```

Border

The CSS property to change the border of an element to Yxy 38.1864, 0.2337, 0.3453 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(37, 185, 175) }
```

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

```
.border{ border-color:rgb(37, 185, 175) }
```

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

Here you see how a box with a 4 pixel rgb(37, 185, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 185, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 185, 175);  
box-shadow:4px 4px 4px 4px rgb(37, 185,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1864, 0.2337, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 185, 175) }
```

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

```
.background{ background-color: rgb(37, 185,  
175) }
```

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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