

Converting Colors

Yxy(38.8832, 0.2413, 0.3541)

Have a look what the booklet for
Yxy(38.8832, 0.2413, 0.3541)
contains.

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Color

Yxy(38.8988, 0.2411, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	38BAAB
RGB	56, 186, 171
RGB Percent	22%, 73%, 67%
CMY	0.7805, 0.2706, 0.3294
CMYK	0.70, 0.00, 0.08, 0.27
HSL	173°, 54%, 47%
HSV	173°, 70%, 73%
XYZ	26.5379, 38.8988, 44.6335
YIQ	145.4200, -72.6650, -32.2250

Conversions

Conversions Part 2

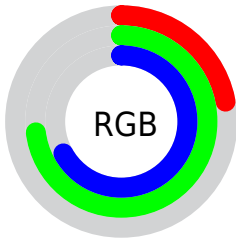
Format	Color
R _{YB}	56, 125, 186
Decimal	3717803
CIE Lab	68.68, -38.19, -2.57
CIE LCh	69, 38.279, 183.855
Yxy	38.8988, 0.2411, 0.3534
Android (android.graphics.Color)	4281907883 (0xFF38BAAB)
YUV	145.4200, 12.6109, -78.4213
Hunter-Lab	62.3689, -33.1940, 1.2282

Details

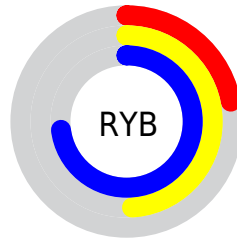
The Yxy color **38.8988, 0.2411, 0.3534** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.7191, 0.5191, 0.3123**, and the grayscale version is **28.4610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6571, 0.2547, 0.3496**, and **17.8344, 0.2330, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **38.3794, 0.2373, 0.3574**, and if you desaturate by 10%, it is **39.6215, 0.2468, 0.3494**.

Distribution



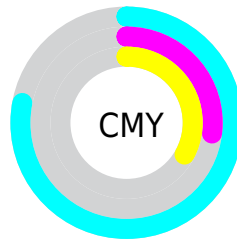
- Red (22%)
- Green (73%)
- Blue (67%)



- Red (22%)
- Yellow (49%)
- Blue (73%)



- Cyan (70%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)





- Cyan (78%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8988, 0.2411, 0.3534 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 38.8988, 0.2411, 0.3534 by changing the saturation by 10% instead.


 38.8988, 0.2411,
0.3534


 38.8988, 0.2411,
0.3534


341.4600, 0.2775,
0.3413


 26.6810, 0.2319,
0.3564


 73.4837, 0.2544,
0.3490

 17.3338, 0.2200,
0.3601

 96.6196, 0.2594,
0.3474


 10.4728, 0.2041,
0.3650


 124.1636, 0.2636,
0.3460

 5.7135, 0.1820,
0.3716

 156.5002, 0.2672,
0.3448

 2.6717, 0.1493,
0.3806

 194.0138, 0.2703,
0.3437

 0.9628, 0.0000,
0.4351

237.0887, 0.2730,

 0.0000, 0.0000,

0.3428

0.0000

286.1093, 0.2754,
0.3420

■ 38.8988, 0.2411,
0.3534

■ 38.8988, 0.2411,
0.3534

■ 38.3794, 0.2373,
0.3574

■ 39.6215, 0.2468,
0.3494

■ 38.0356, 0.2353,
0.3614

■ 40.5628, 0.2544,
0.3456

■ 37.8220, 0.2348,
0.3653

■ 41.7416, 0.2636,
0.3418

■ 37.8203, 0.2348,
0.3653

■ 43.1736, 0.2744,
0.3383

■ 44.8731, 0.2863,
0.3349

■ 46.8534, 0.2992,
0.3318

■ 49.1267, 0.3128,
0.3290

■ 51.7048, 0.3268,
0.3264

■ 54.5987, 0.3410,
0.3241

Harmonies

Analogous

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



38.8988, 0.2872, 0.4065



38.8988, 0.2411, 0.3534



38.8988, 0.2151, 0.2974

Triad

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



38.8988, 0.2411, 0.3534



38.8988, 0.2753, 0.2443



38.8988, 0.4227, 0.3883

Complementary

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



38.8988, 0.2411, 0.3534



13.7191, 0.5191, 0.3123

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.



38.8988, 0.4212, 0.3449



38.8988, 0.2411, 0.3534



38.8988, 0.3314, 0.2662

Square

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



38.8988, 0.2411, 0.3534



38.8988, 0.2335, 0.2406



38.8988, 0.3867, 0.3018



38.8988, 0.3928, 0.4221

Rectangle

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



38.8988, 0.2411, 0.3534



38.8988, 0.2108, 0.2687



38.8988, 0.3867, 0.3018



38.8988, 0.4260, 0.3743

Sweetspot

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



38.9003, 0.2411, 0.3534



80.8566, 0.2845, 0.3354



36.7504, 0.3100, 0.5456



17.6112, 0.2812, 0.3363



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.



38.9003, 0.2411, 0.3534



69.1815, 0.2360, 0.3596



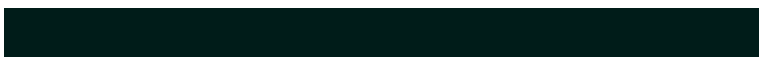
22.0373, 0.2122, 0.2420



10.1923, 0.3000, 0.3316



25.4494, 0.2347, 0.3648



0.9023, 0.2318, 0.3546

Inverse Universe

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



13.7191, 0.5191, 0.3123



20.7074, 0.5840, 0.3158



20.9944, 0.4878, 0.3924



9.0286, 0.3270, 0.3264



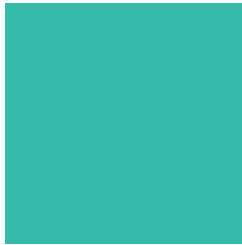
7.0666, 0.6239, 0.3211



0.2547, 0.5733, 0.2932

Previews

White Background



This preview shows how the Yxy color 38.8988, 0.2411, 0.3534 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 38.8988, 0.2411, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

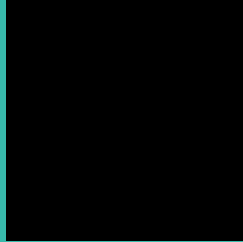
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

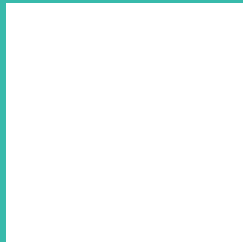
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8988, 0.2411, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 38.8988, 0.2411, 0.3534.

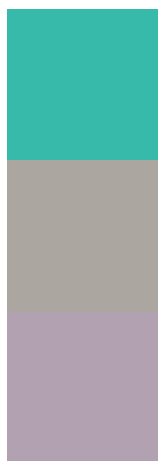


This preview shows how white text looks on a background with the Yxy color 38.8988, 0.2411, 0.3534.

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

38.8988, 0.2411, 0.3534

Protanopia

38.4336, 0.3235, 0.3389

Deuteranopia

38.0893, 0.3156, 0.3087



Tritanopia

38.7892, 0.2312, 0.3057

Trichromacy



Original Color

38.8988, 0.2411, 0.3534

Protanomaly

37.1986, 0.2833, 0.3444

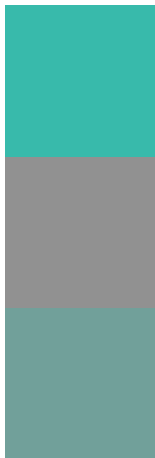
Deuteranomaly

36.8738, 0.2789, 0.3229

Tritanomaly

38.6216, 0.2342, 0.3209

Monochromacy



Original Color

38.8988, 0.2411, 0.3534

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.9854, 0.2758, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8988, 0.2411, 0.3534 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, 186, 171)` looks like.

```
.text, #text, p{  
    color:rgb(56, 186, 171)  
}
```

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, 186, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 186, 171) }
```

Border

The CSS property to change the border of an element to Yxy 38.8988, 0.2411, 0.3534 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, 186, 171) }
```

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

```
.border{ border-color:rgb(56, 186, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 186, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 186, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 186, 171);  
box-shadow:4px 4px 4px 4px rgb(56, 186,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8988, 0.2411, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 186, 171) }
```

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

```
.background{ background-color: rgb(56, 186,  
171) }
```

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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