

Converting Colors

$Yxy(38.8417, 0.2506, 0.3499)$

Have a look what the booklet for
Yxy(38.8417, 0.2506, 0.3499)
contains.

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Color

Yxy(38.9706, 0.2502, 0.3497)

Conversions

Conversions Part 1

Format	Color
Hex	51B8AB
RGB	81, 184, 171
RGB Percent	32%, 72%, 67%
CMY	0.6825, 0.2784, 0.3294
CMYK	0.56, 0.00, 0.07, 0.28
HSL	172°, 42%, 52%
HSV	172°, 56%, 72%
XYZ	27.8823, 38.9706, 44.5872
YIQ	151.7210, -57.2150, -25.8790

Conversions

Conversions Part 2

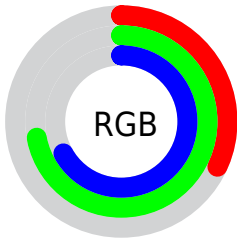
Format	Color
R _Y B	81, 136, 184
Decimal	5355691
CIE Lab	68.73, -32.99, -2.43
CIE LCh	69, 33.079, 184.217
Yxy	38.9706, 0.2502, 0.3497
Android (android.graphics.Color)	4283545771 (0xFF51B8AB)
YUV	151.7210, 9.5045, -62.0223
Hunter-Lab	62.4264, -29.5205, 1.3515

Details

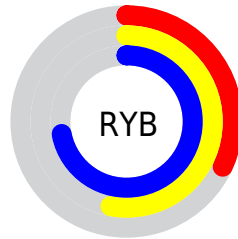
The Yxy color **38.9706, 0.2502, 0.3497** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **16.8764, 0.4568, 0.3118**, and the grayscale version is **31.2457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3001, 0.2619, 0.3457**, and **17.2972, 0.2318, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **38.1792, 0.2438, 0.3540**, and if you desaturate by 10%, it is **39.9868, 0.2584, 0.3455**.

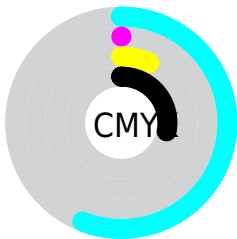
Distribution



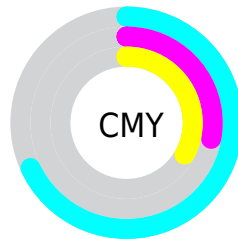
- Red (32%)
- Green (72%)
- Blue (67%)



- Red (32%)
- Yellow (53%)
- Blue (72%)



- Cyan (56%)
- Magenta (0%)
- Yellow (7%)
- Black (28%)





- Cyan (68%)
- Magenta (28%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9706, 0.2502, 0.3497 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 38.9706, 0.2502, 0.3497 by changing the saturation by 10% instead.

 38.9706, 0.2502,
0.3497


 38.9706, 0.2502,
0.3497

341.7655, 0.2820,
0.3394


 26.7369, 0.2421,
0.3522


 73.5934, 0.2619,
0.3460


 17.3757, 0.2316,
0.3555


 96.7513, 0.2662,
0.3446

 10.5027, 0.2176,
0.3597


 124.3193, 0.2699,
0.3434

 5.7335, 0.1978,
0.3654

 156.6818, 0.2730,
0.3424

 2.6837, 0.1682,
0.3735

194.2233, 0.2757,
0.3415

 0.9689, 0.0486,
0.4162

237.3282, 0.2781,

 0.0000, 0.0000,

0.3407

0.0000

286.3808, 0.2802,
0.3400

■ 38.9706, 0.2502,
0.3497

■ 38.9706, 0.2502,
0.3497

■ 38.1792, 0.2438,
0.3540

■ 39.9868, 0.2584,
0.3455

■ 37.5898, 0.2394,
0.3584

■ 41.2394, 0.2681,
0.3415

■ 37.1827, 0.2368,
0.3628

■ 42.7446, 0.2793,
0.3377

■ 36.9307, 0.2359,
0.3671

■ 44.5161, 0.2915,
0.3341

■ 36.8504, 0.2358,
0.3688

■ 46.5662, 0.3046,
0.3308

■ 48.9068, 0.3182,
0.3278

■ 51.5490, 0.3321,
0.3252

■ 54.5032, 0.3461,
0.3228

■ 57.7794, 0.3599,
0.3207

Harmonies

Analogous

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



38.9706, 0.2906, 0.3946



38.9706, 0.2502, 0.3497



38.9706, 0.2272, 0.3019

Triad

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



38.9706, 0.2502, 0.3497



38.9706, 0.2811, 0.2548



38.9706, 0.4079, 0.3822

Complementary

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



38.9706, 0.2502, 0.3497



16.8764, 0.4568, 0.3118

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.



38.9706, 0.4065, 0.3443



38.9706, 0.2502, 0.3497



38.9706, 0.3298, 0.2743

Square

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



38.9706, 0.2502, 0.3497



38.9706, 0.2439, 0.2516



38.9706, 0.3771, 0.3061



38.9706, 0.3823, 0.4104

Rectangle

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



38.9706, 0.2502, 0.3497



38.9706, 0.2234, 0.2768



38.9706, 0.3771, 0.3061



38.9706, 0.4107, 0.3701

Sweetspot

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



38.9721, 0.2502, 0.3497



80.2520, 0.2899, 0.3345



37.2939, 0.3135, 0.5016



17.1575, 0.2874, 0.3352



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.



38.9721, 0.2502, 0.3497



68.9486, 0.2427, 0.3549



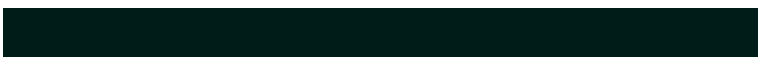
25.8342, 0.2296, 0.2654



10.1906, 0.3002, 0.3319



25.4020, 0.2356, 0.3683



0.9010, 0.2325, 0.3571

Inverse Universe

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



16.8764, 0.4568, 0.3118



24.9869, 0.5084, 0.3106



23.9165, 0.4440, 0.3817



9.0302, 0.3268, 0.3261



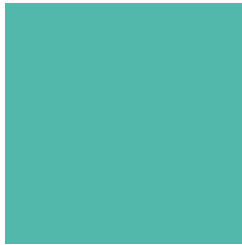
7.0722, 0.6219, 0.3200



0.2553, 0.5681, 0.2903

Previews

White Background



This preview shows how the Yxy color 38.9706, 0.2502, 0.3497 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 38.9706, 0.2502, 0.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

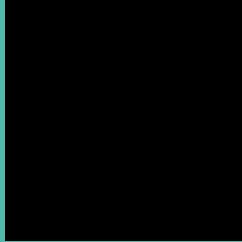
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

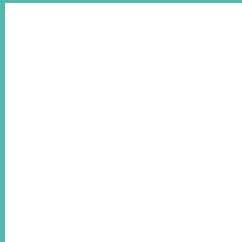
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9706, 0.2502, 0.3497

Background



This preview shows how black text looks on a background with the Yxy color 38.9706, 0.2502, 0.3497.

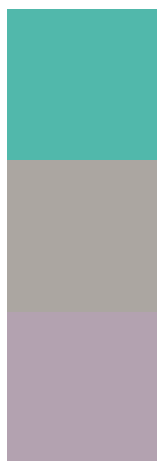


This preview shows how white text looks on a background with the Yxy color 38.9706, 0.2502, 0.3497.

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

38.9706, 0.2502, 0.3497

Protanopia

38.5036, 0.3217, 0.3361

Deuteranopia

38.5590, 0.3164, 0.3101



Tritanopia

38.7563, 0.2399, 0.3060

Trichromacy



Original Color

38.9706, 0.2502, 0.3497

Protanomaly

38.0070, 0.2890, 0.3410

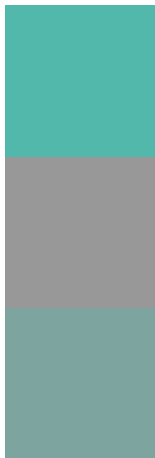
Deuteranomaly

37.6451, 0.2861, 0.3230

Tritanomaly

38.6192, 0.2437, 0.3210

Monochromacy



Original Color

38.9706, 0.2502, 0.3497

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.4897, 0.2830, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9706, 0.2502, 0.3497 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(81, 184, 171)` looks like.

```
.text, #text, p{  
    color:rgb(81, 184, 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(81, 184, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 184, 171) }
```

Border

The CSS property to change the border of an element to Yxy 38.9706, 0.2502, 0.3497 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(81, 184, 171) }
```

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

```
.border{ border-color:rgb(81, 184, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 184, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 184, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 184, 171);  
box-shadow:4px 4px 4px 4px rgb(81, 184,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9706, 0.2502, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 184, 171) }
```

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

```
.background{ background-color: rgb(81, 184,  
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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