

Converting Colors

$Y_{xy}(39.1078, 0.2504, 0.3421)$

Have a look what the booklet for
Yxy(39.1078, 0.2504, 0.3421)
contains.

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Color

Yxy(38.9884, 0.2505, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	57B7AF
RGB	87, 183, 175
RGB Percent	34%, 72%, 69%
CMY	0.6590, 0.2823, 0.3137
CMYK	0.52, 0.00, 0.04, 0.28
HSL	175°, 40%, 53%
HSV	175°, 52%, 72%
XYZ	28.5991, 38.9884, 46.5806
YIQ	153.3840, -54.6480, -22.8400

Conversions

Conversions Part 2

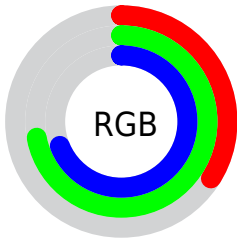
Format	Color
RYB	87, 137, 183
Decimal	5748655
CIELab	68.74, -30.22, -4.59
CIELCh	69, 30.569, 188.638
Yxy	38.9884, 0.2505, 0.3415
Android (android.graphics.Color)	4283938735 (0xFF57B7AF)
YUV	153.3840, 10.6567, -58.2188
Hunter-Lab	62.4407, -27.5146, -0.5217

Details

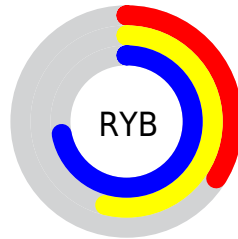
The Yxy color **38.9884, 0.2505, 0.3415** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.7025, 0.4495, 0.3183**, and the grayscale version is **31.9977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3755, 0.2622, 0.3396**, and **17.5239, 0.2323, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **38.1589, 0.2432, 0.3443**, and if you desaturate by 10%, it is **40.0448, 0.2596, 0.3388**.

Distribution



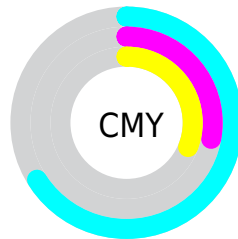
- Red (34%)
- Green (72%)
- Blue (69%)



- Red (34%)
- Yellow (54%)
- Blue (72%)



- Cyan (52%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)



- Cyan (66%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9884, 0.2505, 0.3415 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 38.9884, 0.2505, 0.3415 by changing the saturation by 10% instead.


 38.9884, 0.2505,
0.3415


 38.9884, 0.2505,
0.3415


341.8412, 0.2821,
0.3356


 26.7507, 0.2425,
0.3429


 73.6206, 0.2621,
0.3394

 17.3861, 0.2322,
0.3445


 96.7839, 0.2664,
0.3386

 10.5101, 0.2183,
0.3465


 124.3578, 0.2700,
0.3379

 5.7385, 0.1990,
0.3490

 156.7268, 0.2731,
0.3373

 2.6867, 0.1701,
0.3518

194.2753, 0.2758,
0.3368

 0.9705, 0.0704,
0.3749

237.3875, 0.2782,

 0.0000, 0.0000,

0.3364

0.0000

286.4480, 0.2802,
0.3359

■ 38.9884, 0.2505,
0.3415

■ 38.9884, 0.2505,
0.3415

■ 38.1589, 0.2432,
0.3443

■ 40.0448, 0.2596,
0.3388

■ 37.5346, 0.2377,
0.3471

■ 41.3390, 0.2702,
0.3362

■ 37.0972, 0.2342,
0.3499

■ 42.8867, 0.2823,
0.3338

■ 36.8231, 0.2324,
0.3527

■ 44.7006, 0.2953,
0.3316

■ 36.6890, 0.2319,
0.3547

■ 46.7930, 0.3092,
0.3295

■ 49.1752, 0.3235,
0.3276

■ 51.8578, 0.3382,
0.3259

■ 54.8511, 0.3528,
0.3244

■ 58.1647, 0.3673,
0.3231

Harmonies

Analogous

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



38.9884, 0.2862, 0.3841



38.9884, 0.2505, 0.3415



38.9884, 0.2317, 0.2985

Triad

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



38.9884, 0.2505, 0.3415



38.9884, 0.2897, 0.2616



38.9884, 0.3987, 0.3834

Complementary

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



38.9884, 0.2505, 0.3415



17.7025, 0.4495, 0.3183

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.



38.9884, 0.4012, 0.3491



38.9884, 0.2505, 0.3415



38.9884, 0.3356, 0.2819

Square

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



38.9884, 0.2505, 0.3415



38.9884, 0.2530, 0.2564



38.9884, 0.3775, 0.3129



38.9884, 0.3722, 0.4068

Rectangle

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



38.9884, 0.2505, 0.3415



38.9884, 0.2301, 0.2767



38.9884, 0.3775, 0.3129



38.9884, 0.4025, 0.3727

Sweetspot

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



38.9899, 0.2505, 0.3415



78.7656, 0.2903, 0.3324



36.9884, 0.3105, 0.4914



17.2495, 0.2876, 0.3329



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.



38.9899, 0.2505, 0.3415



68.1381, 0.2422, 0.3447



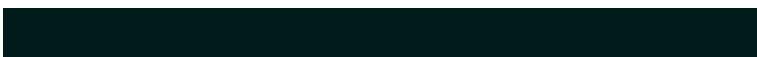
25.0838, 0.2326, 0.2617



10.1974, 0.2996, 0.3309



25.5972, 0.2318, 0.3544



0.9062, 0.2298, 0.3472

Inverse Universe

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



17.7025, 0.4495, 0.3183



25.8918, 0.4994, 0.3173



25.9283, 0.4287, 0.3855



9.0240, 0.3275, 0.3271



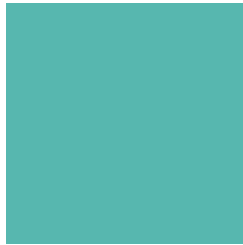
7.0520, 0.6292, 0.3240



0.2527, 0.5901, 0.3024

Previews

White Background



This preview shows how the Yxy color 38.9884, 0.2505, 0.3415 looks on a white background.

Color Contrast Check

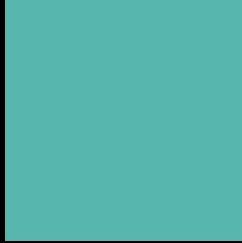
Large Text (above 18pt) WCAG AA × Fail

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 38.9884, 0.2505, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

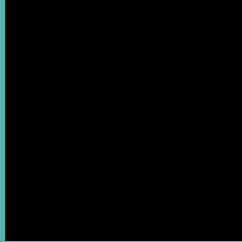
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9884, 0.2505, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 38.9884, 0.2505, 0.3415.

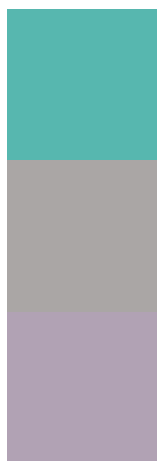


This preview shows how white text looks on a background with the Yxy color 38.9884, 0.2505, 0.3415.

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

38.9884, 0.2505, 0.3415

Protanopia

38.5351, 0.3173, 0.3304

Deuteranopia

38.4831, 0.3111, 0.3047



Tritanopia

38.9623, 0.2419, 0.3061

Trichromacy



Original Color

38.9884, 0.2505, 0.3415

Protanomaly

37.9451, 0.2876, 0.3334

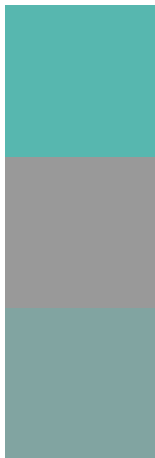
Deuteranomaly

37.8931, 0.2839, 0.3172

Tritanomaly

38.9027, 0.2446, 0.3180

Monochromacy



Original Color

38.9884, 0.2505, 0.3415

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.7913, 0.2840, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9884, 0.2505, 0.3415 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(87, 183, 175)` looks like.

```
.text, #text, p{  
  color:rgb(87, 183, 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(87, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 183, 175) }
```

Border

The CSS property to change the border of an element to Yxy 38.9884, 0.2505, 0.3415 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(87, 183, 175) }
```

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

```
.border{ border-color:rgb(87, 183, 175) }
```

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

Here you see how a box with a 4 pixel rgb(87, 183, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(87, 183,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9884, 0.2505, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 183, 175) }
```

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

```
.background{ background-color: rgb(87, 183,  
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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