

Converting Colors

$Yxy(38.3979, 0.2494, 0.3330)$

Have a look what the booklet for
Yxy(38.3979, 0.2494, 0.3330)
contains.

Yxy(38.4358, 0.2497, 0.3335)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4358, 0.2497, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	5AB5B2
RGB	90, 181, 178
RGB Percent	35%, 71%, 70%
CMY	0.6471, 0.2902, 0.3018
CMYK	0.50, 0.00, 0.02, 0.29
HSL	178°, 38%, 53%
HSV	178°, 50%, 71%
XYZ	28.7779, 38.4358, 48.0361
YIQ	153.4490, -53.2730, -20.2250

Conversions

Conversions Part 2

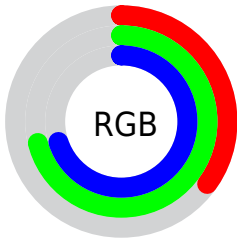
Format	Color
RYB	90, 136, 181
Decimal	5944754
CIELab	68.34, -27.79, -6.84
CIELCh	68, 28.621, 193.823
Yxy	38.4358, 0.2497, 0.3335
Android (android.graphics.Color)	4284134834 (0xFF5AB5B2)
YUV	153.4490, 12.1036, -55.6448
Hunter-Lab	61.9966, -25.6371, -2.5413

Details

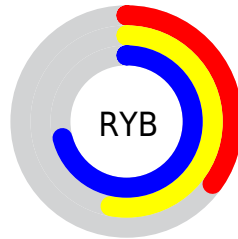
The Yxy color **38.4358, 0.2497, 0.3335** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.9253, 0.4479, 0.3252**, and the grayscale version is **32.0256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7119, 0.2613, 0.3324**, and **17.1257, 0.2317, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **37.6138, 0.2416, 0.3345**, and if you desaturate by 10%, it is **39.4818, 0.2595, 0.3325**.

Distribution



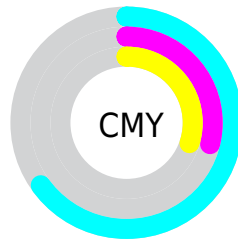
- Red (35%)
- Green (71%)
- Blue (70%)



- Red (35%)
- Yellow (53%)
- Blue (71%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)





- Cyan (65%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4358, 0.2497, 0.3335 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 38.4358, 0.2497, 0.3335 by changing the saturation by 10% instead.

 38.4358, 0.2497,
0.3335


 38.4358, 0.2497,
0.3335


339.4858, 0.2817,
0.3318


 26.3211, 0.2416,
0.3337


 72.7756, 0.2614,
0.3330

 17.0640, 0.2312,
0.3339


 95.7695, 0.2658,
0.3328

 10.2801, 0.2172,
0.3338

 123.1586, 0.2695,
0.3326

 5.5851, 0.1977,
0.3332

 155.3273, 0.2726,
0.3324

 2.5945, 0.1686,
0.3311

192.6600, 0.2753,
0.3323

 0.9239, 0.0736,
0.3415

235.5410, 0.2777,

 0.0000, 0.0000,

0.3321

0.0000

284.3548, 0.2798,
0.3319

■ 38.4358, 0.2497,
0.3335

■ 38.4358, 0.2497,
0.3335

■ 37.6138, 0.2416,
0.3345

■ 39.4818, 0.2595,
0.3325

■ 36.9952, 0.2354,
0.3356

■ 40.7621, 0.2710,
0.3315

■ 36.5626, 0.2311,
0.3367

■ 42.2916, 0.2838,
0.3306

■ 36.2944, 0.2286,
0.3377

■ 44.0827, 0.2976,
0.3298

■ 36.1470, 0.2274,
0.3387

■ 46.1469, 0.3123,
0.3290

■ 48.4953, 0.3275,
0.3283

■ 51.1380, 0.3429,
0.3277

■ 54.0848, 0.3584,
0.3272

■ 57.3452, 0.3736,
0.3267

Harmonies

Analogous

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



38.4358, 0.2812, 0.3745



38.4358, 0.2497, 0.3335



38.4358, 0.2349, 0.2946

Triad

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



38.4358, 0.2497, 0.3335



38.4358, 0.2983, 0.2677



38.4358, 0.3909, 0.3853

Complementary

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



38.4358, 0.2497, 0.3335



17.9253, 0.4479, 0.3252

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.



38.4358, 0.3973, 0.3542



38.4358, 0.2497, 0.3335



38.4358, 0.3418, 0.2890

Square

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



38.4358, 0.2497, 0.3335



38.4358, 0.2614, 0.2601



38.4358, 0.3790, 0.3197



38.4358, 0.3629, 0.4042

Rectangle

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



38.4358, 0.2497, 0.3335



38.4358, 0.2356, 0.2756



38.4358, 0.3790, 0.3197



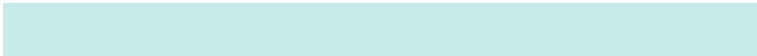
38.4358, 0.3957, 0.3758

Sweetspot

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



38.4373, 0.2497, 0.3335



77.2951, 0.2906, 0.3302



36.1151, 0.3075, 0.4852



16.5647, 0.2878, 0.3304



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.4373, 0.2497, 0.3335



67.2724, 0.2411, 0.3346



23.8398, 0.2342, 0.2571



9.6267, 0.2990, 0.3297



24.9207, 0.2274, 0.3386



0.7856, 0.2266, 0.3356

Inverse Universe

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



17.9253, 0.4479, 0.3252



26.4613, 0.4953, 0.3249



27.1910, 0.4186, 0.3896



8.5096, 0.3282, 0.3283



6.7833, 0.6358, 0.3276



0.2149, 0.6180, 0.3178

Previews

White Background



This preview shows how the Yxy color 38.4358, 0.2497, 0.3335 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 38.4358, 0.2497, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

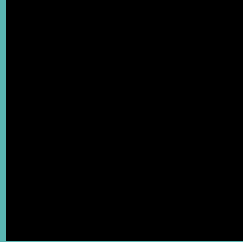
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

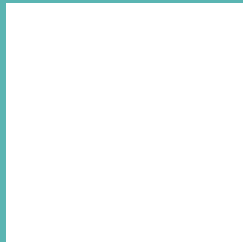
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4358, 0.2497, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 38.4358, 0.2497, 0.3335.

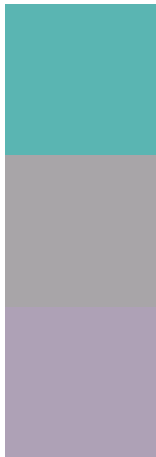


This preview shows how white text looks on a background with the Yxy color 38.4358, 0.2497, 0.3335.

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

38.4358, 0.2497, 0.3335

Protanopia

38.0623, 0.3129, 0.3248

Deuteranopia

37.8658, 0.3066, 0.3004



Tritanopia

38.5234, 0.2432, 0.3075

Trichromacy



Original Color

38.4358, 0.2497, 0.3335

Protanomaly

37.6798, 0.2852, 0.3274

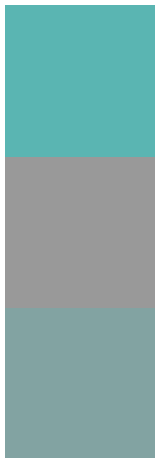
Deuteranomaly

37.1811, 0.2807, 0.3099

Tritanomaly

38.6005, 0.2453, 0.3165

Monochromacy



Original Color

38.4358, 0.2497, 0.3335

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.5488, 0.2840, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4358, 0.2497, 0.3335 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(90, 181, 178)` looks like.

```
.text, #text, p{  
    color:rgb(90, 181, 178)  
}
```

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(90, 181, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 181, 178) }
```

Border

The CSS property to change the border of an element to Yxy 38.4358, 0.2497, 0.3335 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(90, 181, 178) }
```

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

```
.border{ border-color:rgb(90, 181, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 181, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 181, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 181, 178);  
box-shadow:4px 4px 4px 4px rgb(90, 181,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4358, 0.2497, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 181, 178) }
```

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

```
.background{ background-color: rgb(90, 181,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor