

Converting Colors

$Yxy(38.5627, 0.2359, 0.3526)$

Have a look what the booklet for
Yxy(38.5627, 0.2359, 0.3526)
contains.

Yxy(38.4897, 0.2356, 0.3520)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4897, 0.2356, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	25BAAC
RGB	37, 186, 172
RGB Percent	15%, 73%, 67%
CMY	0.8556, 0.2705, 0.3255
CMYK	0.80, 0.00, 0.08, 0.27
HSL	174°, 67%, 44%
HSV	174°, 80%, 73%
XYZ	25.7619, 38.4897, 45.0942
YIQ	139.8530, -84.3100, -35.9420

Conversions

Conversions Part 2

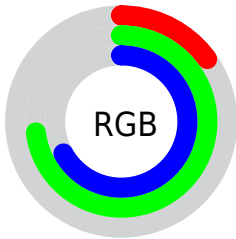
Format	Color
RYB	37, 115, 186
Decimal	2472620
CIELab	68.38, -40.13, -3.60
CIELCh	68, 40.287, 185.122
Yxy	38.4897, 0.2356, 0.3520
Android (android.graphics.Color)	4280662700 (0xFF25BAAC)
YUV	139.8530, 15.8485, -90.2021
Hunter-Lab	62.0401, -34.4488, 0.3328

Details

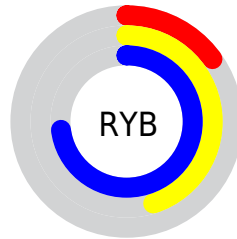
The Yxy color **38.4897, 0.2356, 0.3520** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.9896, 0.5691, 0.3173**, and the grayscale version is **26.1064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9622, 0.2501, 0.3486**, and **17.8586, 0.2324, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **38.1652, 0.2335, 0.3552**, and if you desaturate by 10%, it is **38.9929, 0.2395, 0.3488**.

Distribution



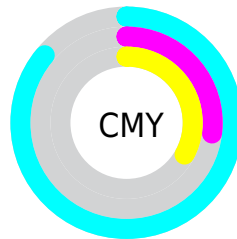
- Red (15%)
- Green (73%)
- Blue (67%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)




- Cyan (86%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4897, 0.2356, 0.3520 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 38.4897, 0.2356, 0.3520 by changing the saturation by 10% instead.

 38.4897, 0.2356,
0.3520


 38.4897, 0.2356,
0.3520


339.7160, 0.2747,
0.3408

 26.3630, 0.2257,
0.3547


 72.8581, 0.2499,
0.3480

 17.0954, 0.2130,
0.3580


 95.8686, 0.2553,
0.3465


 10.3025, 0.1961,
0.3623


 123.2757, 0.2598,
0.3452

 5.6000, 0.1725,
0.3678

 155.4640, 0.2636,
0.3440

 2.6034, 0.1382,
0.3748

 192.8178, 0.2670,
0.3431

 0.9284, 0.0000,
0.4179

235.7215, 0.2699,

 0.0000, 0.0000,

0.3422

0.0000

284.5594, 0.2725,
0.3414

■ 38.4897, 0.2356,
0.3520

■ 38.4897, 0.2356,
0.3520

■ 38.1652, 0.2335,
0.3552

■ 38.9929, 0.2395,
0.3488

■ 37.9701, 0.2329,
0.3583

■ 39.6939, 0.2453,
0.3456

■ 40.6140, 0.2529,
0.3425

■ 41.7707, 0.2623,
0.3395

■ 43.1797, 0.2732,
0.3366

■ 44.8555, 0.2854,
0.3339

■ 46.8111, 0.2986,
0.3314

■ 49.0591, 0.3124,
0.3290

■ 51.6110, 0.3267,
0.3270

Harmonies

Analogous

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



38.4897, 0.2832, 0.4094



38.4897, 0.2356, 0.3520



38.4897, 0.2095, 0.2931

Triad

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



38.4897, 0.2356, 0.3520



38.4897, 0.2755, 0.2408



38.4897, 0.4279, 0.3927

Complementary

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



38.4897, 0.2356, 0.3520



11.9896, 0.5691, 0.3173

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.



38.4897, 0.4281, 0.3472



38.4897, 0.2356, 0.3520



38.4897, 0.3349, 0.2644

Square

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



38.4897, 0.2356, 0.3520



38.4897, 0.2309, 0.2358



38.4897, 0.3929, 0.3020



38.4897, 0.3949, 0.4281

Rectangle

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



38.4897, 0.2356, 0.3520



38.4897, 0.2059, 0.2636



38.4897, 0.3929, 0.3020



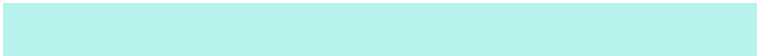
38.4897, 0.4320, 0.3780

Sweetspot

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



38.4912, 0.2356, 0.3520



79.9590, 0.2802, 0.3350



35.9786, 0.3066, 0.5717



17.3726, 0.2758, 0.3360



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.



38.4912, 0.2356, 0.3520



68.9036, 0.2331, 0.3575



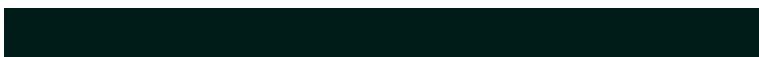
18.9423, 0.2008, 0.2221



10.1957, 0.2998, 0.3311



25.5471, 0.2327, 0.3579



0.9049, 0.2305, 0.3497

Inverse Universe

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



11.9896, 0.5691, 0.3173



19.2337, 0.6241, 0.3238



19.0288, 0.5176, 0.3969



9.0256, 0.3273, 0.3269



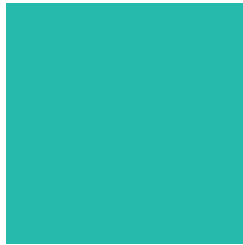
7.0565, 0.6276, 0.3231



0.2534, 0.5843, 0.2993

Previews

White Background



This preview shows how the Yxy color 38.4897, 0.2356, 0.3520 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 38.4897, 0.2356, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

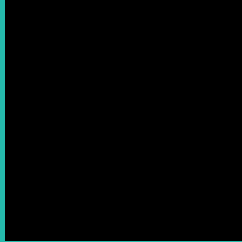
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

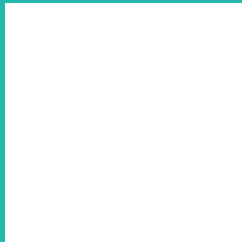
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4897, 0.2356, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 38.4897, 0.2356, 0.3520.

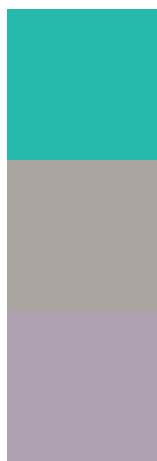


This preview shows how white text looks on a background with the Yxy color 38.4897, 0.2356, 0.3520.

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

38.4897, 0.2356, 0.3520

Protanopia

37.9944, 0.3218, 0.3361

Deuteranopia

37.9342, 0.3119, 0.3059



Tritanopia

38.3279, 0.2266, 0.3054

Trichromacy



Original Color

38.4897, 0.2356, 0.3520



Protanomaly

36.7051, 0.2772, 0.3430



Deuteranomaly

36.2440, 0.2705, 0.3197



Tritanomaly

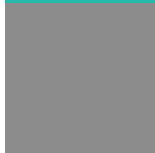
38.1508, 0.2294, 0.3208

Monochromacy



Original Color

38.4897, 0.2356, 0.3520



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.2057, 0.2682, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4897, 0.2356, 0.3520 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, 186, 172)` looks like.

```
.text, #text, p{  
    color:rgb(37, 186, 172)  
}
```

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, 186, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 186, 172) }
```

Border

The CSS property to change the border of an element to Yxy 38.4897, 0.2356, 0.3520 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, 186, 172) }
```

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

```
.border{ border-color:rgb(37, 186, 172) }
```

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

Here you see how a box with a 4 pixel rgb(37, 186, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 186, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 186, 172);  
box-shadow:4px 4px 4px 4px rgb(37, 186,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4897, 0.2356, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 186, 172) }
```

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

```
.background{ background-color: rgb(37, 186,  
172) }
```

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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