

Converting Colors

$Yxy(38.1813, 0.2533, 0.3428)$

Have a look what the booklet for
Yxy(38.1813, 0.2533, 0.3428)
contains.

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Color

Yxy(38.2000, 0.2532, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	5AB5AC
RGB	90, 181, 172
RGB Percent	35%, 71%, 67%
CMY	0.6473, 0.2902, 0.3254
CMYK	0.50, 0.00, 0.05, 0.29
HSL	174°, 38%, 53%
HSV	174°, 50%, 71%
XYZ	28.1825, 38.2000, 44.9228
YIQ	152.7650, -51.3470, -22.0910

Conversions

Conversions Part 2

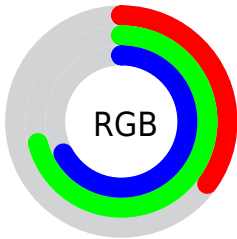
Format	Color
RYB	90, 138, 181
Decimal	5944748
CIELab	68.17, -29.38, -3.77
CIELCh	68, 29.619, 187.319
Yxy	38.2000, 0.2532, 0.3432
Android (android.graphics.Color)	4284134828 (0xFF5AB5AC)
YUV	152.7650, 9.4829, -55.0449
Hunter-Lab	61.8061, -26.7679, 0.1703

Details

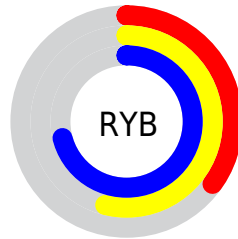
The Yxy color **38.2000, 0.2532, 0.3432** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.0259, 0.4384, 0.3166**, and the grayscale version is **31.7166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2254, 0.2643, 0.3409**, and **17.0140, 0.2354, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **37.3342, 0.2456, 0.3465**, and if you desaturate by 10%, it is **39.2907, 0.2625, 0.3400**.

Distribution



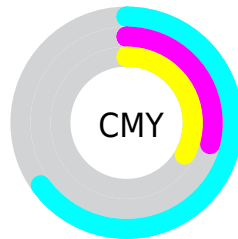
- Red (35%)
- Green (71%)
- Blue (67%)



- Red (35%)
- Yellow (54%)
- Blue (71%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)




- Cyan (65%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2000, 0.2532, 0.3432 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 38.2000, 0.2532, 0.3432 by changing the saturation by 10% instead.


 38.2000, 0.2532,
0.3432


 38.2000, 0.2532,
0.3432


338.4771, 0.2836,
0.3363


 26.1380, 0.2455,
0.3448


 72.4146, 0.2644,
0.3407


 16.9269, 0.2354,
0.3469


 95.3359, 0.2685,
0.3398

 10.1824, 0.2219,
0.3495


 122.6458, 0.2720,
0.3390

 5.5200, 0.2029,
0.3529

 154.7286, 0.2750,
0.3383

 2.5555, 0.1742,
0.3572

191.9687, 0.2776,
0.3377

 0.9043, 0.0612,
0.3892

234.7506, 0.2798,

 0.0000, 0.0000,

0.3372

0.0000

283.4586, 0.2818,
0.3367

■ 38.2000, 0.2532,
0.3432

■ 38.2000, 0.2532,
0.3432

■ 37.3342, 0.2456,
0.3465

■ 39.2907, 0.2625,
0.3400

■ 36.6724, 0.2398,
0.3498

■ 40.6165, 0.2734,
0.3370

■ 36.1975, 0.2360,
0.3532

■ 42.1922, 0.2854,
0.3341

■ 35.8877, 0.2339,
0.3566

■ 44.0304, 0.2985,
0.3315

■ 35.7010, 0.2333,
0.3598

■ 46.1426, 0.3123,
0.3291

■ 48.5397, 0.3265,
0.3269

■ 51.2320, 0.3409,
0.3249

■ 54.2294, 0.3552,
0.3232

■ 57.5410, 0.3694,
0.3217

Harmonies

Analogous

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



38.2000, 0.2887, 0.3842



38.2000, 0.2532, 0.3432



38.2000, 0.2339, 0.3010

Triad

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



38.2000, 0.2532, 0.3432



38.2000, 0.2885, 0.2626



38.2000, 0.3973, 0.3809

Complementary

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



38.2000, 0.2532, 0.3432



18.0259, 0.4384, 0.3166

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.



38.2000, 0.3985, 0.3472



38.2000, 0.2532, 0.3432



38.2000, 0.3331, 0.2818

Square

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



38.2000, 0.2532, 0.3432



38.2000, 0.2531, 0.2582



38.2000, 0.3744, 0.3119



38.2000, 0.3724, 0.4043

Rectangle

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



38.2000, 0.2532, 0.3432



38.2000, 0.2318, 0.2792



38.2000, 0.3744, 0.3119



38.2000, 0.4006, 0.3703

Sweetspot

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



38.2015, 0.2532, 0.3432



77.1626, 0.2920, 0.3328



36.4442, 0.3119, 0.4832



16.5322, 0.2893, 0.3333



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.



38.2015, 0.2532, 0.3432



66.7631, 0.2451, 0.3467



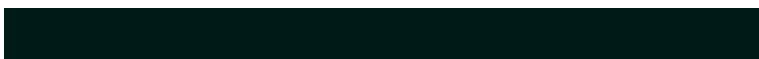
25.6297, 0.2362, 0.2678



9.6168, 0.2999, 0.3312



24.6140, 0.2332, 0.3594



0.7786, 0.2306, 0.3500

Inverse Universe

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



18.0259, 0.4384, 0.3166



26.6485, 0.4826, 0.3151



25.5773, 0.4235, 0.3813



8.5185, 0.3272, 0.3268



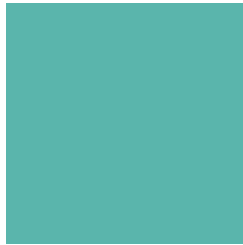
6.8071, 0.6266, 0.3225



0.2186, 0.5790, 0.2963

Previews

White Background



This preview shows how the Yxy color 38.2000, 0.2532, 0.3432 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 38.2000, 0.2532, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

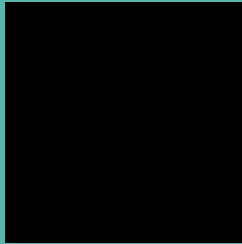
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

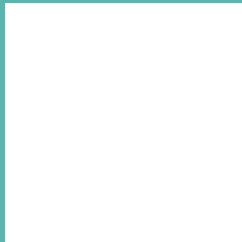
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2000, 0.2532, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 38.2000, 0.2532, 0.3432.

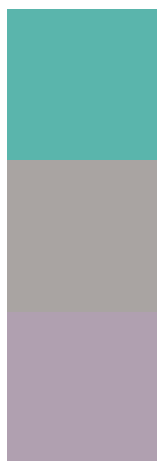


This preview shows how white text looks on a background with the Yxy color 38.2000, 0.2532, 0.3432.

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

38.2000, 0.2532, 0.3432

Protanopia

37.5946, 0.3192, 0.3319

Deuteranopia

37.5063, 0.3137, 0.3071



Tritanopia

38.1879, 0.2445, 0.3075

Trichromacy



Original Color

38.2000, 0.2532, 0.3432

Protanomaly

37.0781, 0.2897, 0.3350

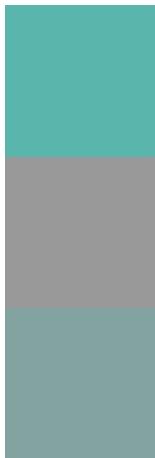
Deuteranomaly

37.1202, 0.2868, 0.3186

Tritanomaly

38.1227, 0.2472, 0.3195

Monochromacy



Original Color

38.2000, 0.2532, 0.3432

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.4783, 0.2855, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2000, 0.2532, 0.3432 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(90, 181, 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(90, 181, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 181, 172) }
```

Border

The CSS property to change the border of an element to Yxy 38.2000, 0.2532, 0.3432 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, 172) }
```

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

```
.border{ border-color:rgb(90, 181, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 181, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 181, 172);  
box-shadow:4px 4px 4px 4px rgb(90, 181,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2000, 0.2532, 0.3432 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, 172) }
```

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

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