

Converting Colors

$Y_{xy}(38.7369, 0.2382, 0.3514)$

Have a look what the booklet for
Yxy(38.7369, 0.2382, 0.3514)
contains.

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Color

Yxy(38.7247, 0.2382, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	30BAAC
RGB	48, 186, 172
RGB Percent	19%, 73%, 67%
CMY	0.8123, 0.2705, 0.3254
CMYK	0.74, 0.00, 0.08, 0.27
HSL	174°, 59%, 46%
HSV	174°, 74%, 73%
XYZ	26.2201, 38.7247, 45.1311
YIQ	143.1420, -77.7540, -33.6100

Conversions

Conversions Part 2

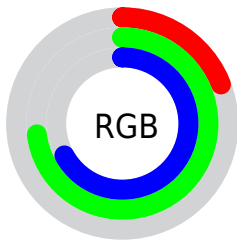
Format	Color
RYB	48, 121, 186
Decimal	3193516
CIELab	68.55, -38.96, -3.34
CIELCh	69, 39.100, 184.903
Yxy	38.7247, 0.2382, 0.3518
Android (android.graphics.Color)	4281383596 (0xFF30BAAC)
YUV	143.1420, 14.2270, -83.4395
Hunter-Lab	62.2292, -33.6906, 0.5609

Details

The Yxy color **38.7247, 0.2382, 0.3518** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.8883, 0.5419, 0.3150**, and the grayscale version is **27.4777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3602, 0.2523, 0.3485**, and **17.8586, 0.2324, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **38.2944, 0.2351, 0.3553**, and if you desaturate by 10%, it is **39.3484, 0.2432, 0.3483**.

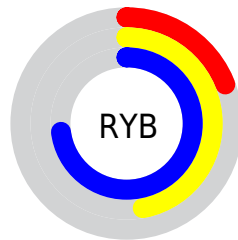
Distribution



Red (19%)

Green (73%)

Blue (67%)



Red (19%)

Yellow (47%)

Blue (73%)

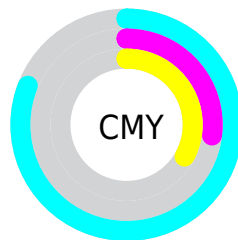


Cyan (74%)

Magenta (0%)

Yellow (8%)

Black (27%)



Cyan (81%)


Magenta (27%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7247, 0.2382, 0.3518 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 38.7247, 0.2382, 0.3518 by changing the saturation by 10% instead.


 38.7247, 0.2382,
0.3518


 38.7247, 0.2382,
0.3518


340.7186, 0.2760,
0.3406


 26.5456, 0.2286,
0.3545


 73.2176, 0.2520,
0.3478


 17.2323, 0.2163,
0.3579


 96.3001, 0.2572,
0.3463

 10.4002, 0.1999,
0.3622


 123.7860, 0.2616,
0.3450

 5.6651, 0.1771,
0.3678

 156.0596, 0.2653,
0.3439

 2.6425, 0.1436,
0.3752

 193.5052, 0.2685,
0.3429

 0.9481, 0.0000,
0.4224

236.5074, 0.2713,

 0.0000, 0.0000,

0.3420

0.0000

285.4504, 0.2738,
0.3413

■ 38.7247, 0.2382,
0.3518

■ 38.7247, 0.2382,
0.3518

■ 38.2944, 0.2351,
0.3553

■ 39.3484, 0.2432,
0.3483

■ 38.0274, 0.2338,
0.3587

■ 40.1821, 0.2500,
0.3449

■ 37.9185, 0.2335,
0.3607

■ 41.2457, 0.2587,
0.3416

■ 42.5555, 0.2689,
0.3384

■ 44.1265, 0.2805,
0.3354

■ 45.9723, 0.2932,
0.3326

■ 48.1056, 0.3068,
0.3300

■ 50.5383, 0.3208,
0.3277

■ 53.2817, 0.3351,
0.3256

Harmonies

Analogous

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



38.7247, 0.2846, 0.4069



38.7247, 0.2382, 0.3518



38.7247, 0.2126, 0.2948

Triad

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



38.7247, 0.2382, 0.3518



38.7247, 0.2763, 0.2431



38.7247, 0.4245, 0.3908

Complementary

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



38.7247, 0.2382, 0.3518



12.8883, 0.5419, 0.3150

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.



38.7247, 0.4244, 0.3467



38.7247, 0.2382, 0.3518



38.7247, 0.3339, 0.2660

Square

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



38.7247, 0.2382, 0.3518



38.7247, 0.2330, 0.2385



38.7247, 0.3901, 0.3026



38.7247, 0.3929, 0.4250

Rectangle

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



38.7247, 0.2382, 0.3518



38.7247, 0.2088, 0.2660



38.7247, 0.3901, 0.3026



38.7247, 0.4284, 0.3766

Sweetspot

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



38.7262, 0.2382, 0.3518



80.5721, 0.2829, 0.3349



36.4233, 0.3091, 0.5572



17.5563, 0.2796, 0.3357



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.



38.7262, 0.2382, 0.3518



69.0708, 0.2341, 0.3574



20.9590, 0.2076, 0.2356



10.1945, 0.2998, 0.3313



25.5137, 0.2334, 0.3602



0.9040, 0.2309, 0.3513

Inverse Universe

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



12.8883, 0.5419, 0.3150



19.9067, 0.6046, 0.3198



19.9236, 0.5021, 0.3935



9.0266, 0.3272, 0.3267



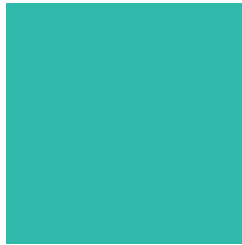
7.0598, 0.6264, 0.3224



0.2538, 0.5805, 0.2972

Previews

White Background



This preview shows how the Yxy color 38.7247, 0.2382, 0.3518 looks on a white background.

Color Contrast Check

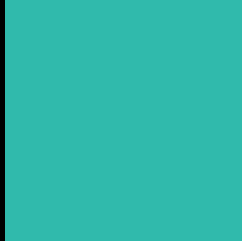
Large Text (above 18pt) WCAG AA × Fail

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 38.7247, 0.2382, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

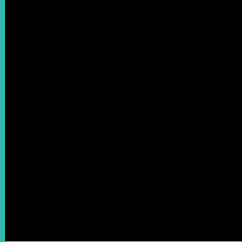
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

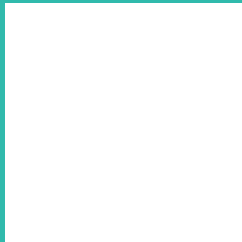
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7247, 0.2382, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 38.7247, 0.2382, 0.3518.

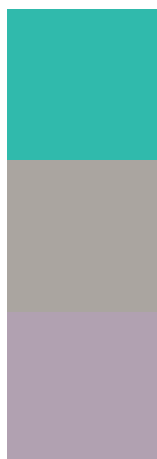


This preview shows how white text looks on a background with the Yxy color 38.7247, 0.2382, 0.3518.

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

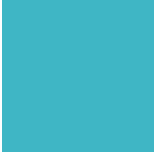
38.7247, 0.2382, 0.3518

Protanopia

37.9944, 0.3218, 0.3361

Deuteranopia

38.0112, 0.3137, 0.3073



Tritanopia

38.5439, 0.2288, 0.3056

Trichromacy



Original Color

38.7247, 0.2382, 0.3518



Protanomaly

37.0031, 0.2803, 0.3429



Deuteranomaly

36.5904, 0.2750, 0.3213



Tritanomaly

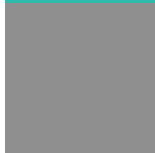
38.3677, 0.2316, 0.3208

Monochromacy



Original Color

38.7247, 0.2382, 0.3518



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.3175, 0.2717, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7247, 0.2382, 0.3518 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(48, 186, 172)` looks like.

```
.text, #text, p{  
  color:rgb(48, 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(48, 186, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 186, 172) }
```

Border

The CSS property to change the border of an element to Yxy 38.7247, 0.2382, 0.3518 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(48, 186, 172) }
```

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

```
.border{ border-color:rgb(48, 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(48, 186, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 186, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 186, 172);  
box-shadow:4px 4px 4px 4px rgb(48, 186,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7247, 0.2382, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 186, 172) }
```

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

```
.background{ background-color: rgb(48, 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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