

Converting Colors

$Y_{xy}(38.1329, 0.2301, 0.3224)$

Have a look what the booklet for
Yxy(38.1329, 0.2301, 0.3224)
contains.

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Color

Yxy(38.1329, 0.2301, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	32B7BB
RGB	50, 183, 187
RGB Percent	20%, 72%, 73%
CMY	0.8040, 0.2823, 0.2667
CMYK	0.73, 0.02, 0.00, 0.27
HSL	182°, 58%, 46%
HSV	182°, 73%, 73%
XYZ	27.2158, 38.1329, 52.9295
YIQ	143.6890, -80.5520, -26.9520

Conversions

Conversions Part 2

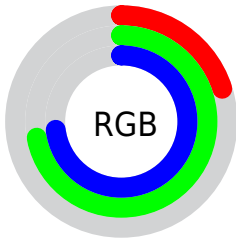
Format	Color
RYB	50, 117, 187
Decimal	3323835
CIELab	68.12, -33.02, -12.22
CIELCh	68, 35.212, 200.315
Yxy	38.1329, 0.2301, 0.3224
Android (android.graphics.Color)	4281513915 (0xFF32B7BB)
YUV	143.6890, 21.3523, -82.1653
Hunter-Lab	61.7518, -29.3956, -7.5931

Details

The Yxy color **38.1329, 0.2301, 0.3224** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.4269, 0.5563, 0.3337**, and the grayscale version is **27.6931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0556, 0.2451, 0.3240**, and **17.4217, 0.2216, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **37.5290, 0.2258, 0.3214**, and if you desaturate by 10%, it is **38.9345, 0.2363, 0.3234**.

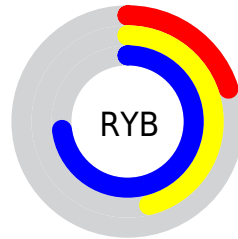
Distribution



Red (20%)

Green (72%)

Blue (73%)



Red (20%)

Yellow (46%)

Blue (73%)

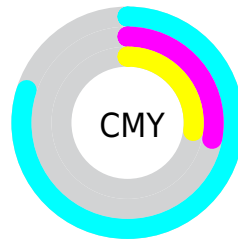


Cyan (73%)

Magenta (2%)

Yellow (0%)

Black (27%)



Cyan (80%)


Magenta (28%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1329, 0.2301, 0.3224 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 38.1329, 0.2301, 0.3224 by changing the saturation by 10% instead.


 38.1329, 0.2301,
0.3224


 38.1329, 0.2301,
0.3224

338.1897, 0.2716,
0.3270

 26.0859, 0.2198,
0.3208


 72.3118, 0.2452,
0.3244


 16.8879, 0.2066,
0.3184

 95.2124, 0.2508,
0.3251


 10.1546, 0.1893,
0.3148


 122.4997, 0.2556,
0.3256

 5.5016, 0.1656,
0.3087

 154.5580, 0.2597,
0.3260

 2.5445, 0.1318,
0.2975

 191.7718, 0.2633,
0.3263

 0.8988, 0.0157,
0.2930

234.5254, 0.2664,

 0.0000, 0.0000,

0.3266

0.0000

283.2033, 0.2691,
0.3268

■ 38.1329, 0.2301,
0.3224

■ 38.1329, 0.2301,
0.3224

■ 37.5290, 0.2258,
0.3214

■ 38.9345, 0.2363,
0.3234

■ 37.0931, 0.2233,
0.3205

■ 39.9507, 0.2443,
0.3243

■ 36.8614, 0.2222,
0.3199

■ 41.2011, 0.2542,
0.3253

■ 42.7021, 0.2657,
0.3262

■ 44.4688, 0.2786,
0.3271

■ 46.5148, 0.2927,
0.3280

■ 48.8530, 0.3077,
0.3288

■ 51.4953, 0.3232,
0.3295

■ 54.4531, 0.3390,
0.3301

Harmonies

Analogous

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



38.1329, 0.2639, 0.3754



38.1329, 0.2301, 0.3224



38.1329, 0.2176, 0.2774

Triad

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



38.1329, 0.2301, 0.3224



38.1329, 0.3059, 0.2592



38.1329, 0.4028, 0.4037

Complementary

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



38.1329, 0.2301, 0.3224



13.4269, 0.5563, 0.3337

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.



38.1329, 0.4180, 0.3671



38.1329, 0.2301, 0.3224



38.1329, 0.3595, 0.2875

Square

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



38.1329, 0.2301, 0.3224



38.1329, 0.2583, 0.2460



38.1329, 0.4021, 0.3257



38.1329, 0.3635, 0.4239

Rectangle

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



38.1329, 0.2301, 0.3224



38.1329, 0.2217, 0.2578



38.1329, 0.4021, 0.3257



38.1329, 0.4111, 0.3927

Sweetspot

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



38.1343, 0.2301, 0.3224



79.9738, 0.2799, 0.3272



36.4614, 0.3011, 0.5571



17.4085, 0.2762, 0.3270



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.



38.1343, 0.2301, 0.3224



66.7148, 0.2241, 0.3209



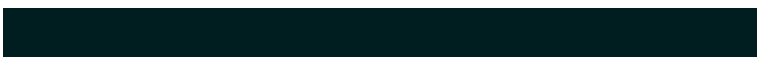
16.8010, 0.2001, 0.2031



10.7607, 0.2985, 0.3283



25.4222, 0.2222, 0.3200



1.0109, 0.2228, 0.3222

Inverse Universe

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



16.2612, 0.3252, 0.1752



25.8634, 0.3273, 0.1619



24.4103, 0.4761, 0.4170



9.6914, 0.3142, 0.3070



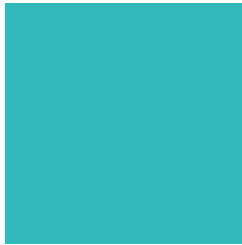
9.5961, 0.3282, 0.1582



0.3774, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 38.1329, 0.2301, 0.3224 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 38.1329, 0.2301, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

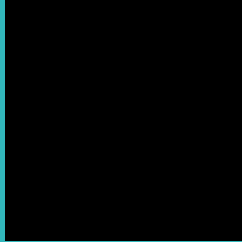
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

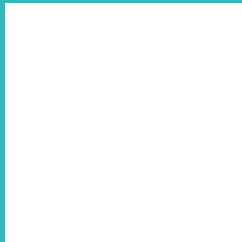
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1329, 0.2301, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 38.1329, 0.2301, 0.3224.

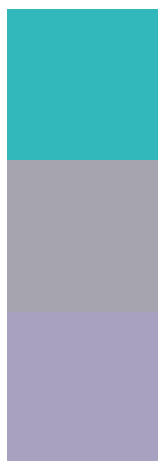


This preview shows how white text looks on a background with the Yxy color 38.1329, 0.2301, 0.3224.

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

38.1329, 0.2301, 0.3224

Protanopia

37.6454, 0.3042, 0.3135

Deuteranopia

37.6203, 0.2929, 0.2869



Tritanopia

38.2822, 0.2271, 0.3069

Trichromacy



Original Color

38.1329, 0.2301, 0.3224

Protanomaly

36.5914, 0.2672, 0.3167

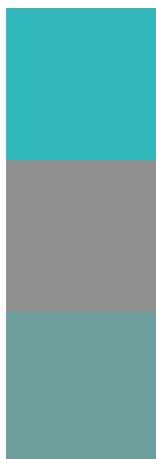
Deuteranomaly

36.4536, 0.2608, 0.2977

Tritanomaly

38.0904, 0.2279, 0.3114

Monochromacy



Original Color

38.1329, 0.2301, 0.3224

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.3068, 0.2686, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1329, 0.2301, 0.3224 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(50, 183, 187)` looks like.

```
.text, #text, p{  
  color:rgb(50, 183, 187)  
}
```

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(50, 183, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 183, 187) }
```

Border

The CSS property to change the border of an element to Yxy 38.1329, 0.2301, 0.3224 is called "border". The border property can be set on classes, ids or directly on the HTML element.

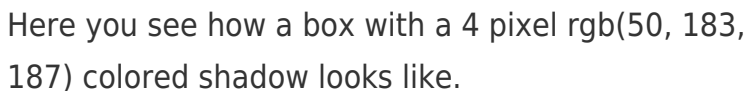
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(50, 183, 187) }
```

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

```
.border{ border-color:rgb(50, 183, 187) }
```

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



Here you see how a box with a 4 pixel `rgb(50, 183, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 183, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 183, 187);  
box-shadow:4px 4px 4px 4px rgb(50, 183,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1329, 0.2301, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 183, 187) }
```

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

```
.background{ background-color: rgb(50, 183,  
187) }
```

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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