

Converting Colors

$Y_{xy}(38.0235, 0.2326, 0.3519)$

Have a look what the booklet for
Yxy(38.0235, 0.2326, 0.3519)
contains.

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Color

Yxy(38.2250, 0.2326, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	12BAAC
RGB	18, 186, 172
RGB Percent	7%, 73%, 67%
CMY	0.9306, 0.2706, 0.3254
CMYK	0.90, 0.00, 0.08, 0.27
HSL	175°, 83%, 40%
HSV	175°, 90%, 73%
XYZ	25.2517, 38.2250, 45.0862
YIQ	134.1720, -95.6340, -39.9700

Conversions

Conversions Part 2

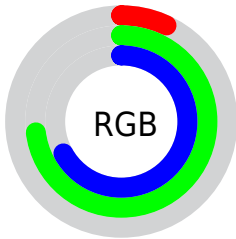
Format	Color
R _{YB}	18, 106, 186
Decimal	1227436
CIE Lab	68.19, -41.44, -3.92
CIE LCh	68, 41.625, 185.406
Yxy	38.2250, 0.2326, 0.3521
Android (android.graphics.Color)	4279417516 (0xFF12BAAC)
YUV	134.1720, 18.6492, -101.8828
Hunter-Lab	61.8264, -35.2914, 0.0419

Details

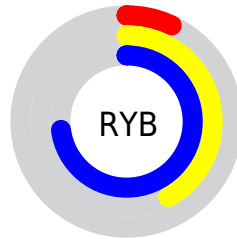
The Yxy color **38.2250, 0.2326, 0.3521** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.9657, 0.6084, 0.3220**, and the grayscale version is **23.8308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5308, 0.2476, 0.3487**, and **17.8586, 0.2324, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **38.0445, 0.2319, 0.3547**, and if you desaturate by 10%, it is **38.5410, 0.2347, 0.3493**.

Distribution



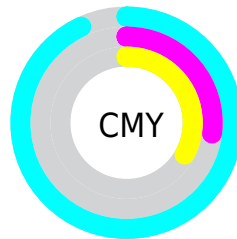
- Red (7%)
- Green (73%)
- Blue (67%)



- Red (7%)
- Yellow (42%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)




- Cyan (93%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2250, 0.2326, 0.3521 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 38.2250, 0.2326, 0.3521 by changing the saturation by 10% instead.


 38.2250, 0.2326,
0.3521


 38.2250, 0.2326,
0.3521


338.5842, 0.2732,
0.3409


 26.1574, 0.2223,
0.3548


 72.4529, 0.2475,
0.3481


 16.9414, 0.2092,
0.3581


 95.3819, 0.2530,
0.3466

 10.1927, 0.1916,
0.3622


 122.7002, 0.2577,
0.3453

 5.5269, 0.1673,
0.3675

 154.7921, 0.2617,
0.3442

 2.5596, 0.1320,
0.3740

 192.0421, 0.2652,
0.3432

 0.9064, 0.0000,
0.4122

234.8345, 0.2682,

 0.0000, 0.0000,

0.3423

0.0000

283.5537, 0.2709,
0.3416

■ 38.2250, 0.2326,
0.3521

■ 38.2250, 0.2326,
0.3521

■ 38.0445, 0.2319,
0.3547

■ 38.5410, 0.2347,
0.3493

■ 39.0304, 0.2386,
0.3465

■ 39.7182, 0.2444,
0.3437

■ 40.6245, 0.2521,
0.3410

■ 41.7668, 0.2615,
0.3383

■ 43.1607, 0.2725,
0.3357

■ 44.8208, 0.2848,
0.3334

■ 46.7602, 0.2980,
0.3311

■ 48.9913, 0.3120,
0.3291

Harmonies

Analogous

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



38.2250, 0.2815, 0.4121



38.2250, 0.2326, 0.3521



38.2250, 0.2061, 0.2911

Triad

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



38.2250, 0.2326, 0.3521



38.2250, 0.2746, 0.2382



38.2250, 0.4316, 0.3948

Complementary

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



38.2250, 0.2326, 0.3521



10.9657, 0.6084, 0.3220

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.



38.2250, 0.4324, 0.3479



38.2250, 0.2326, 0.3521



38.2250, 0.3362, 0.2627

Square

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



38.2250, 0.2326, 0.3521



38.2250, 0.2286, 0.2328



38.2250, 0.3963, 0.3014



38.2250, 0.3970, 0.4316

Rectangle

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



38.2250, 0.2326, 0.3521



38.2250, 0.2026, 0.2609



38.2250, 0.3963, 0.3014



38.2250, 0.4361, 0.3797

Sweetspot

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



38.2264, 0.2326, 0.3521



79.0854, 0.2761, 0.3350



35.4668, 0.3034, 0.5895



17.2025, 0.2721, 0.3358



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.



38.2264, 0.2326, 0.3521



68.9333, 0.2320, 0.3552



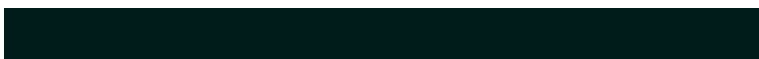
16.1343, 0.1912, 0.2011



10.1974, 0.2996, 0.3309



25.5979, 0.2318, 0.3544



0.9062, 0.2298, 0.3472

Inverse Universe

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



10.9657, 0.6084, 0.3220



18.9725, 0.6329, 0.3260



17.4341, 0.5425, 0.3968



9.0240, 0.3275, 0.3271



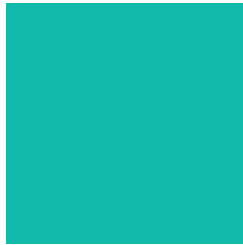
7.0520, 0.6292, 0.3240



0.2527, 0.5901, 0.3025

Previews

White Background



This preview shows how the Yxy color 38.2250, 0.2326, 0.3521 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 38.2250, 0.2326, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

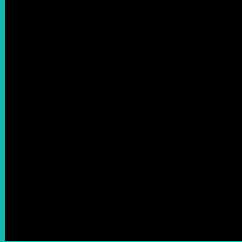
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

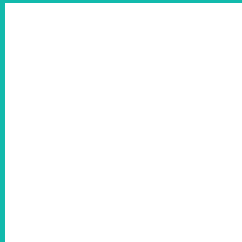
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2250, 0.2326, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 38.2250, 0.2326, 0.3521.

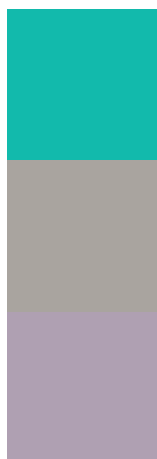


This preview shows how white text looks on a background with the Yxy color 38.2250, 0.2326, 0.3521.

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

38.2250, 0.2326, 0.3521

Protanopia

37.4891, 0.3218, 0.3361

Deuteranopia

37.4699, 0.3110, 0.3044



Tritanopia

38.0915, 0.2242, 0.3053

Trichromacy



Original Color

38.2250, 0.2326, 0.3521



Protanomaly

35.7628, 0.2712, 0.3416



Deuteranomaly

35.3621, 0.2652, 0.3180



Tritanomaly

37.8729, 0.2264, 0.3207

Monochromacy



Original Color

38.2250, 0.2326, 0.3521



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.1959, 0.2627, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2250, 0.2326, 0.3521 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(18, 186, 172)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 186, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 186, 172) }
```

Border

The CSS property to change the border of an element to Yxy 38.2250, 0.2326, 0.3521 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(18, 186, 172) }
```

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

```
.border{ border-color:rgb(18, 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(18, 186, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(18, 186, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(18, 186, 172); box-shadow:4px 4px 4px 4px rgb(18, 186, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2250, 0.2326, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 186, 172) }
```

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

```
.background{ background-color: rgb(18, 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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