

Converting Colors

$Yxy(38.1587, 0.2255, 0.3223)$

Have a look what the booklet for
Yxy(38.1587, 0.2255, 0.3223)
contains.

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Color

Yxy(38.1587, 0.2255, 0.3223)

Conversions

Conversions Part 1

Format	Color
Hex	1CB8BC
RGB	28, 184, 188
RGB Percent	11%, 72%, 74%
CMY	0.8899, 0.2784, 0.2627
CMYK	0.85, 0.02, 0.00, 0.26
HSL	182°, 74%, 42%
HSV	182°, 85%, 74%
XYZ	26.6981, 38.1587, 53.5382
YIQ	137.8120, -94.2600, -31.8280

Conversions

Conversions Part 2

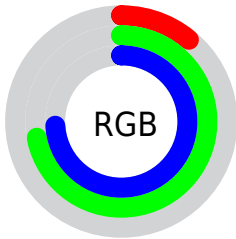
Format	Color
RYB	28, 107, 188
Decimal	1882300
CIELab	68.14, -35.21, -12.79
CIELCh	68, 37.459, 199.969
Yxy	38.1587, 0.2255, 0.3223
Android (android.graphics.Color)	4280072380 (0xFF1CB8BC)
YUV	137.8120, 24.7427, -96.3051
Hunter-Lab	61.7727, -30.9549, -8.1455

Details

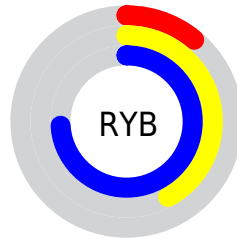
The Yxy color **38.1587, 0.2255, 0.3223** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.8137, 0.6042, 0.3324**, and the grayscale version is **25.2801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6304, 0.2416, 0.3252**, and **17.7145, 0.2216, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **37.7767, 0.2233, 0.3215**, and if you desaturate by 10%, it is **38.7095, 0.2294, 0.3231**.

Distribution



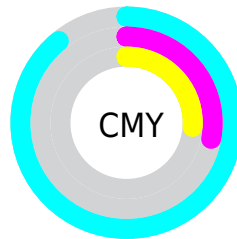
- Red (11%)
- Green (72%)
- Blue (74%)



- Red (11%)
- Yellow (42%)
- Blue (74%)



- Cyan (85%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)





- Cyan (89%)
- Magenta (28%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1587, 0.2255, 0.3223 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 38.1587, 0.2255, 0.3223 by changing the saturation by 10% instead.


 38.1587, 0.2255,
0.3223


 38.1587, 0.2255,
0.3223


338.3003, 0.2692,
0.3271

 26.1059, 0.2147,
0.3206


 72.3513, 0.2413,
0.3244


 16.9029, 0.2009,
0.3181


 95.2599, 0.2473,
0.3251

 10.1653, 0.1828,
0.3142


 122.5559, 0.2523,
0.3256

 5.5087, 0.1583,
0.3077

 154.6236, 0.2567,
0.3261

 2.5487, 0.1237,
0.2956

 191.8475, 0.2604,
0.3264

 0.9009, 0.0000,
0.2913

234.6120, 0.2637,

 0.0000, 0.0000,

0.3267

0.0000

283.3015, 0.2666,
0.3269

■ 38.1587, 0.2255,
0.3223

■ 38.1587, 0.2255,
0.3223

■ 37.7767, 0.2233,
0.3215

■ 38.7095, 0.2294,
0.3231

■ 37.6208, 0.2225,
0.3211

■ 39.4518, 0.2352,
0.3240

■ 40.4090, 0.2428,
0.3248

■ 41.6000, 0.2524,
0.3256

■ 43.0418, 0.2636,
0.3265

■ 44.7499, 0.2762,
0.3272

■ 46.7383, 0.2901,
0.3280

■ 49.0201, 0.3049,
0.3287

■ 51.6077, 0.3204,
0.3293

Harmonies

Analogous

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



38.1587, 0.2612, 0.3792



38.1587, 0.2255, 0.3223



38.1587, 0.2122, 0.2744

Triad

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



38.1587, 0.2255, 0.3223



38.1587, 0.3046, 0.2551



38.1587, 0.4086, 0.4075

Complementary

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



38.1587, 0.2255, 0.3223



11.8137, 0.6042, 0.3324

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.



38.1587, 0.4246, 0.3683



38.1587, 0.2255, 0.3223



38.1587, 0.3617, 0.2846

Square

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



38.1587, 0.2255, 0.3223



38.1587, 0.2545, 0.2413



38.1587, 0.4074, 0.3246



38.1587, 0.3668, 0.4299

Rectangle

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



38.1587, 0.2255, 0.3223



38.1587, 0.2164, 0.2537



38.1587, 0.4074, 0.3246



38.1587, 0.4173, 0.3956

Sweetspot

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



38.1601, 0.2255, 0.3223



80.6468, 0.2744, 0.3271



36.3147, 0.3002, 0.5827



17.1053, 0.2699, 0.3269



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.



38.1601, 0.2255, 0.3223



68.1190, 0.2225, 0.3210



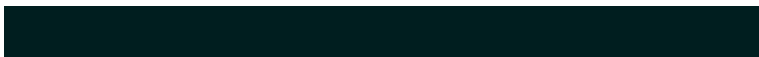
14.0586, 0.1873, 0.1797



10.7674, 0.2985, 0.3284



25.6294, 0.2226, 0.3212



1.0170, 0.2231, 0.3231

Inverse Universe

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



14.9869, 0.3259, 0.1639



25.5889, 0.3274, 0.1577



22.0810, 0.5053, 0.4194



9.6920, 0.3141, 0.3069



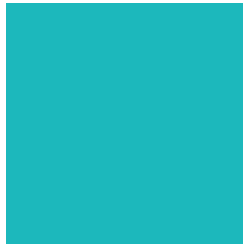
9.6170, 0.3272, 0.1576



0.3780, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 38.1587, 0.2255, 0.3223 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 38.1587, 0.2255, 0.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

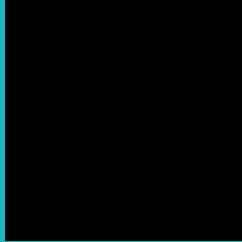
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

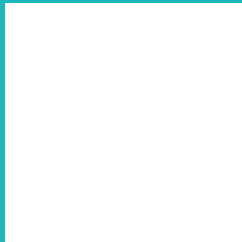
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1587, 0.2255, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 38.1587, 0.2255, 0.3223.

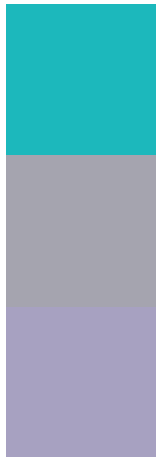


This preview shows how white text looks on a background with the Yxy color 38.1587, 0.2255, 0.3223.

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

38.1587, 0.2255, 0.3223

Protanopia

37.6454, 0.3042, 0.3135

Deuteranopia

37.5555, 0.2912, 0.2855



Tritanopia

38.3295, 0.2229, 0.3068

Trichromacy



Original Color

38.1587, 0.2255, 0.3223



Protanomaly

36.0659, 0.2609, 0.3150



Deuteranomaly

35.8505, 0.2540, 0.2957



Tritanomaly

38.1193, 0.2235, 0.3113

Monochromacy



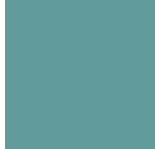
Original Color

38.1587, 0.2255, 0.3223



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.4397, 0.2618, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1587, 0.2255, 0.3223 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(28, 184, 188)` looks like.

```
.text, #text, p{  
    color:rgb(28, 184, 188)  
}
```

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(28, 184, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 184, 188) }
```

Border

The CSS property to change the border of an element to Yxy 38.1587, 0.2255, 0.3223 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(28, 184, 188) }
```

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

```
.border{ border-color:rgb(28, 184, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 184, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 184, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 184, 188);  
box-shadow:4px 4px 4px 4px rgb(28, 184,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1587, 0.2255, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 184, 188) }
```

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

```
.background{ background-color: rgb(28, 184,  
188) }
```

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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