

Converting Colors

$Yxy(34.9125, 0.2002, 0.4338)$

Have a look what the booklet for
Yxy(34.9125, 0.2002, 0.4338)
contains.

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Color

Yxy(38.2013, 0.2503, 0.4209)

Conversions

Conversions Part 1

Format	Color
Hex	01BD89
RGB	1, 189, 137
RGB Percent	0%, 74%, 54%
CMY	0.9979, 0.2588, 0.4627
CMYK	1.00, 0.00, 0.28, 0.26
HSL	163°, 99%, 37%
HSV	163°, 100%, 74%
XYZ	22.7175, 38.2013, 29.8422
YIQ	126.8600, -95.3560, -56.0280

Conversions

Conversions Part 2

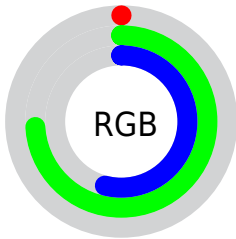
Format	Color
RYB	1, 110, 189
Decimal	114057
CIELab	68.17, -52.50, 15.21
CIELCh	68, 54.657, 163.848
Yxy	38.2013, 0.2503, 0.4209
Android (android.graphics.Color)	4278304137 (0xFF01BD89)
YUV	126.8600, 4.9990, -110.3792
Hunter-Lab	61.8072, -42.5542, 14.6382

Details

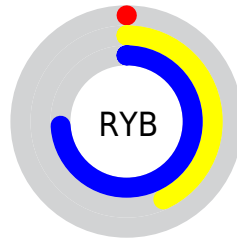
The Yxy color **38.2013, 0.2503, 0.4209** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.0823, 0.5842, 0.2994**, and the grayscale version is **21.1272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2259, 0.2632, 0.4020**, and **17.7383, 0.2569, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **38.1953, 0.2503, 0.4212**, and if you desaturate by 10%, it is **38.4954, 0.2493, 0.4107**.

Distribution



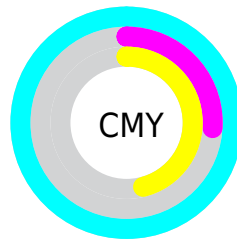
- Red (0%)
- Green (74%)
- Blue (54%)



- Red (0%)
- Yellow (43%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2013, 0.2503, 0.4209 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 38.2013, 0.2503, 0.4209 by changing the saturation by 10% instead.


 38.2013, 0.2503,
0.4209


 38.2013, 0.2503,
0.4209


338.4827, 0.2836,
0.3709

 26.1390, 0.2413,
0.4348


 72.4166, 0.2629,
0.4017


 16.9276, 0.2293,
0.4537


 95.3383, 0.2675,
0.3948

 10.1829, 0.2127,
0.4804


 122.6486, 0.2713,
0.3891

 5.5204, 0.1881,
0.5210

 154.7319, 0.2745,
0.3843

 2.5557, 0.1458,
0.5913

 191.9725, 0.2773,
0.3802

 0.9045, 0.0000,
1.0000

 234.7550, 0.2797,

 0.0000, 0.0000,

0.3766

0.0000

283.4636, 0.2818,
0.3736

■ 38.2013, 0.2503,
0.4209

■ 38.2013, 0.2503,
0.4209

■ 38.1953, 0.2503,
0.4212

■ 38.4954, 0.2493,
0.4107

■ 38.9316, 0.2499,
0.4003

■ 39.5578, 0.2525,
0.3900

■ 40.3984, 0.2571,
0.3797

■ 41.4742, 0.2634,
0.3698

■ 42.8031, 0.2713,
0.3604

■ 44.4017, 0.2805,
0.3515

■ 46.2847, 0.2907,
0.3432

■ 48.4661, 0.3016,
0.3357

Harmonies

Analogous

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



38.2013, 0.3246, 0.4754



38.2013, 0.2503, 0.4209



38.2013, 0.1970, 0.3331

Triad

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



38.2013, 0.2503, 0.4209



38.2013, 0.2188, 0.2070



38.2013, 0.4736, 0.3657

Complementary

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



38.2013, 0.2503, 0.4209



11.0823, 0.5842, 0.2994

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.



38.2013, 0.4403, 0.3075



38.2013, 0.2503, 0.4209



38.2013, 0.2833, 0.2213

Square

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



38.2013, 0.2503, 0.4209



38.2013, 0.1823, 0.2181



38.2013, 0.3661, 0.2568



38.2013, 0.4559, 0.4241

Rectangle

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



38.2013, 0.2503, 0.4209



38.2013, 0.1786, 0.2806



38.2013, 0.3661, 0.2568



38.2013, 0.4683, 0.3459

Sweetspot

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



38.2028, 0.2503, 0.4209



79.2934, 0.2797, 0.3521



37.1766, 0.3127, 0.5897



16.7825, 0.2758, 0.3558



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.



38.2028, 0.2503, 0.4209



68.3687, 0.2508, 0.4228



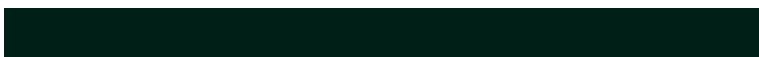
24.9073, 0.2050, 0.2578



10.7634, 0.3021, 0.3354



25.7138, 0.2500, 0.4199



1.0177, 0.2432, 0.3954

Inverse Universe

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



11.0823, 0.5842, 0.2994



19.7882, 0.5888, 0.3017



12.4302, 0.6141, 0.3503



9.5785, 0.3246, 0.3227



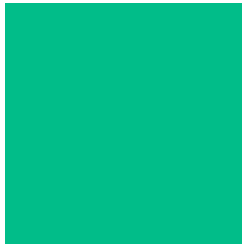
7.4582, 0.5817, 0.2978



0.3036, 0.5112, 0.2590

Previews

White Background



This preview shows how the Yxy color 38.2013, 0.2503, 0.4209 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 38.2013, 0.2503, 0.4209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

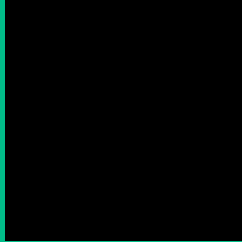
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2013, 0.2503, 0.4209

Background



This preview shows how black text looks on a background with the Yxy color 38.2013, 0.2503, 0.4209.



This preview shows how white text looks on a background with the Yxy color 38.2013, 0.2503, 0.4209.

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

38.2078, 0.2503, 0.4209

Protanopia

37.6467, 0.3587, 0.3844

Deuteranopia

37.6287, 0.3568, 0.3495



Tritanopia

38.0574, 0.2285, 0.3054

Trichromacy



Original Color

38.2078, 0.2503, 0.4209



Protanomaly

35.3286, 0.2946, 0.4026



Deuteranomaly

34.6656, 0.2925, 0.3765



Tritanomaly

37.8272, 0.2339, 0.3436

Monochromacy



Original Color

38.2078, 0.2503, 0.4209



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

25.2007, 0.2668, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2013, 0.2503, 0.4209 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(1, 189, 137)` looks like.

```
.text, #text, p{  
    color:rgb(1, 189, 137)  
}
```

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(1, 189, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 189, 137) }
```

Border

The CSS property to change the border of an element to Yxy 38.2013, 0.2503, 0.4209 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(1, 189, 137) }
```

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

```
.border{ border-color:rgb(1, 189, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 189, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 189, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 189, 137);  
box-shadow:4px 4px 4px 4px rgb(1, 189,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2013, 0.2503, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 189, 137) }
```

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

```
.background{ background-color: rgb(1, 189,  
137) }
```

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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