

Converting Colors

$Yxy(38.1287, 0.2507, 0.4172)$

Have a look what the booklet for
Yxy(38.1287, 0.2507, 0.4172)
contains.

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Color

Yxy(37.9116, 0.2508, 0.4173)

Conversions

Conversions Part 1

Format	Color
Hex	10BC8A
RGB	16, 188, 138
RGB Percent	6%, 74%, 54%
CMY	0.9366, 0.2627, 0.4589
CMYK	0.91, 0.00, 0.27, 0.26
HSL	163°, 84%, 40%
HSV	163°, 91%, 74%
XYZ	22.7851, 37.9116, 30.1530
YIQ	130.8720, -86.4620, -52.0140

Conversions

Conversions Part 2

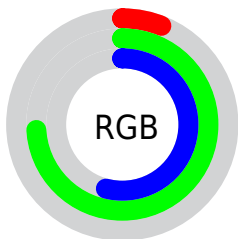
Format	Color
RYB	16, 117, 188
Decimal	1096842
CIELab	67.96, -51.27, 14.39
CIELCh	68, 53.253, 164.325
Yxy	37.9116, 0.2508, 0.4173
Android (android.graphics.Color)	4279286922 (0xFF10BC8A)
YUV	130.8720, 3.5141, -100.7427
Hunter-Lab	61.5724, -41.6970, 14.0654

Details

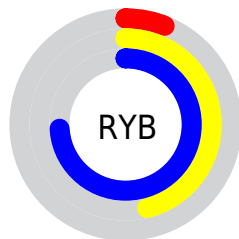
The Yxy color **37.9116, 0.2508, 0.4173** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.4630, 0.5531, 0.2893**, and the grayscale version is **22.6782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8773, 0.2631, 0.3979**, and **17.4796, 0.2556, 0.4403** is the 20% darker color. If you saturate the color by 10%, you get **37.6679, 0.2518, 0.4266**, and if you desaturate by 10%, it is **38.3208, 0.2510, 0.4064**.

Distribution



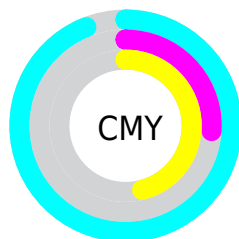
- Red (6%)
- Green (74%)
- Blue (54%)



- Red (6%)
- Yellow (46%)
- Blue (74%)



- Cyan (91%)
- Magenta (0%)
- Yellow (27%)
- Black (26%)





- Cyan (94%)
- Magenta (26%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9116, 0.2508, 0.4173 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 37.9116, 0.2508, 0.4173 by changing the saturation by 10% instead.

 37.9116, 0.2508,
0.4173


 37.9116, 0.2508,
0.4173


337.2406, 0.2838,
0.3693

 25.9141, 0.2419,
0.4307


 71.9726, 0.2633,
0.3989


 16.7594, 0.2300,
0.4487


 94.8049, 0.2678,
0.3922


 10.0631, 0.2136,
0.4744


 122.0176, 0.2716,
0.3867

 5.4408, 0.1893,
0.5134

 153.9951, 0.2748,
0.3821

 2.5081, 0.1477,
0.5809

 191.1217, 0.2775,
0.3782

 0.8807, 0.0000,
1.0000

233.7819, 0.2799,

 0.0000, 0.0000,

0.3748

0.0000

282.3601, 0.2820,
0.3719

■ 37.9116, 0.2508,
0.4173

■ 37.9116, 0.2508,
0.4173

■ 37.6679, 0.2518,
0.4266

■ 38.3208, 0.2510,
0.4064

■ 38.9126, 0.2531,
0.3954

■ 39.7133, 0.2572,
0.3845

■ 40.7439, 0.2631,
0.3739

■ 42.0225, 0.2706,
0.3638

■ 43.5656, 0.2795,
0.3543

■ 45.3882, 0.2894,
0.3454

■ 47.5041, 0.3000,
0.3373

■ 49.9262, 0.3111,
0.3300

Harmonies

Analogous

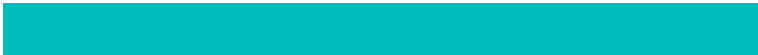
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.9116, 0.3235, 0.4713



37.9116, 0.2508, 0.4173



37.9116, 0.1988, 0.3319

Triad

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



37.9116, 0.2508, 0.4173



37.9116, 0.2216, 0.2094



37.9116, 0.4701, 0.3663

Complementary

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



37.9116, 0.2508, 0.4173



11.4630, 0.5531, 0.2893

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.



37.9116, 0.4382, 0.3091



37.9116, 0.2508, 0.4173



37.9116, 0.2852, 0.2237

Square

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



37.9116, 0.2508, 0.4173



37.9116, 0.1851, 0.2200



37.9116, 0.3663, 0.2590



37.9116, 0.4524, 0.4234

Rectangle

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



37.9116, 0.2508, 0.4173



37.9116, 0.1809, 0.2808



37.9116, 0.3663, 0.2590



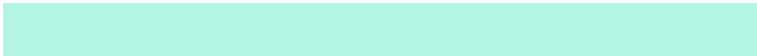
37.9116, 0.4651, 0.3469

Sweetspot

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



37.9131, 0.2508, 0.4173



80.1991, 0.2833, 0.3507



37.2239, 0.3181, 0.5792



17.0147, 0.2800, 0.3538



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.



37.9131, 0.2508, 0.4173



68.2217, 0.2523, 0.4284



26.7339, 0.2096, 0.2696



10.7609, 0.3023, 0.3358



25.6594, 0.2515, 0.4253



1.0160, 0.2443, 0.3993

Inverse Universe

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



11.4630, 0.5531, 0.2893



19.8349, 0.5837, 0.2989



13.0572, 0.5959, 0.3537



9.5808, 0.3244, 0.3223



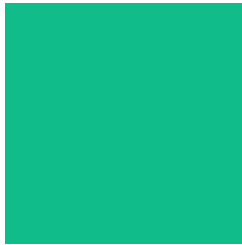
7.4767, 0.5765, 0.2949



0.3047, 0.5060, 0.2561

Previews

White Background



This preview shows how the Yxy color 37.9116, 0.2508, 0.4173 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 37.9116, 0.2508, 0.4173 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 37.9116, 0.2508, 0.4173

Background



This preview shows how black text looks on a background with the Yxy color 37.9116, 0.2508, 0.4173.



This preview shows how white text looks on a background with the Yxy color 37.9116, 0.2508, 0.4173.

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

37.9116, 0.2508, 0.4173

Protanopia

37.1972, 0.3571, 0.3819

Deuteranopia

37.0628, 0.3541, 0.3469



Tritanopia

38.0446, 0.2293, 0.3070

Trichromacy



Original Color

37.9116, 0.2508, 0.4173



Protanomaly

35.3077, 0.2978, 0.3986



Deuteranomaly

34.6889, 0.2958, 0.3728



Tritanomaly

37.9178, 0.2359, 0.3453

Monochromacy



Original Color

37.9116, 0.2508, 0.4173



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.3016, 0.2709, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9116, 0.2508, 0.4173 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(16, 188, 138)` looks like.

```
.text, #text, p{  
  color:rgb(16, 188, 138)  
}
```

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(16, 188, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 188, 138) }
```

Border

The CSS property to change the border of an element to Yxy 37.9116, 0.2508, 0.4173 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(16, 188, 138) }
```

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

```
.border{ border-color:rgb(16, 188, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 188, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 188, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 188, 138);  
box-shadow:4px 4px 4px 4px rgb(16, 188,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9116, 0.2508, 0.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 188, 138) }
```

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

```
.background{ background-color: rgb(16, 188,  
138) }
```

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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