

Converting Colors

$Y_{xy}(37.4516, 0.2395, 0.4141)$

Have a look what the booklet for
Yxy(37.4516, 0.2395, 0.4141)
contains.

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Color

Yxy(37.8895, 0.2477, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	00BC8D
RGB	0, 188, 141
RGB Percent	0%, 74%, 55%
CMY	1.0000, 0.2627, 0.4470
CMYK	1.00, 0.00, 0.25, 0.26
HSL	165°, 100%, 37%
HSV	165°, 100%, 74%
XYZ	22.7852, 37.8895, 31.3124
YIQ	126.4300, -96.9610, -54.4730

Conversions

Conversions Part 2

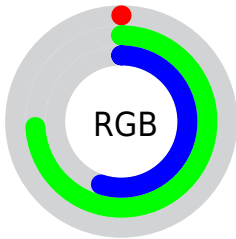
Format	Color
RYB	0, 107, 188
Decimal	48269
CIELab	67.94, -51.20, 12.71
CIELCh	68, 52.756, 166.059
Yxy	37.8895, 0.2477, 0.4119
Android (android.graphics.Color)	4278238349 (0xFF00BC8D)
YUV	126.4300, 7.1830, -110.8791
Hunter-Lab	61.5544, -41.6461, 12.9276

Details

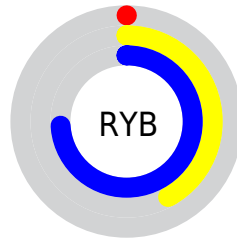
The Yxy color **37.8895, 0.2477, 0.4119** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.8982, 0.5933, 0.3042**, and the grayscale version is **21.0205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8416, 0.2607, 0.3939**, and **17.5304, 0.2534, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **37.8949, 0.2478, 0.4119**, and if you desaturate by 10%, it is **38.1743, 0.2470, 0.4027**.

Distribution



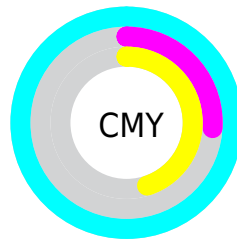
- Red (0%)
- Green (74%)
- Blue (55%)



- Red (0%)
- Yellow (42%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8895, 0.2477, 0.4119 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 37.8895, 0.2477, 0.4119 by changing the saturation by 10% instead.

 37.8895, 0.2477,
0.4119


 37.8895, 0.2477,
0.4119

337.1457, 0.2821,
0.3670

 25.8969, 0.2385,
0.4243


 71.9387, 0.2607,
0.3947


 16.7466, 0.2263,
0.4411


 94.7642, 0.2654,
0.3885

 10.0540, 0.2095,
0.4648


 121.9694, 0.2693,
0.3834

 5.4347, 0.1849,
0.5008

 153.9388, 0.2727,
0.3791

 2.5045, 0.1433,
0.5628

 191.0567, 0.2755,
0.3754

 0.8789, 0.0000,
0.9278

 233.7076, 0.2780,

 0.0000, 0.0000,

0.3722

0.0000

282.2758, 0.2802,
0.3694

■ 37.8895, 0.2477,
0.4119

■ 37.8895, 0.2477,
0.4119

■ 37.8949, 0.2478,
0.4119

■ 38.1743, 0.2470,
0.4027

■ 38.5913, 0.2478,
0.3934

■ 39.1942, 0.2506,
0.3841

■ 40.0071, 0.2552,
0.3750

■ 41.0504, 0.2617,
0.3661

■ 42.3421, 0.2698,
0.3576

■ 43.8982, 0.2792,
0.3495

■ 45.7336, 0.2897,
0.3421

■ 47.8620, 0.3010,
0.3352

Harmonies

Analogous

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



37.8895, 0.3191, 0.4683



37.8895, 0.2477, 0.4119



37.8895, 0.1977, 0.3271

Triad

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



37.8895, 0.2477, 0.4119



37.8895, 0.2253, 0.2105



37.8895, 0.4690, 0.3696

Complementary

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



37.8895, 0.2477, 0.4119



10.8982, 0.5933, 0.3042

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.



37.8895, 0.4402, 0.3125



37.8895, 0.2477, 0.4119



37.8895, 0.2899, 0.2260

Square

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



37.8895, 0.2477, 0.4119



37.8895, 0.1874, 0.2195



37.8895, 0.3705, 0.2621



37.8895, 0.4490, 0.4259

Rectangle

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



37.8895, 0.2477, 0.4119



37.8895, 0.1811, 0.2775



37.8895, 0.3705, 0.2621



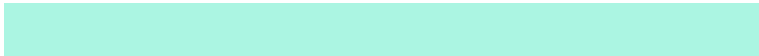
37.8895, 0.4650, 0.3502

Sweetspot

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



37.8949, 0.2478, 0.4119



79.3973, 0.2788, 0.3499



36.6533, 0.3113, 0.5910



16.8076, 0.2747, 0.3532



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.



37.8949, 0.2478, 0.4119



68.6275, 0.2482, 0.4134



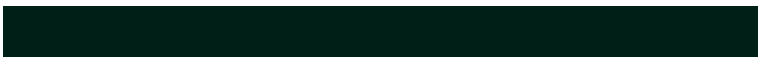
23.6212, 0.2033, 0.2517



10.7677, 0.3017, 0.3348



25.8094, 0.2474, 0.4107



1.0209, 0.2413, 0.3887

Inverse Universe

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



10.8982, 0.5933, 0.3042



19.7157, 0.5970, 0.3063



12.4846, 0.6114, 0.3528



9.5745, 0.3250, 0.3233



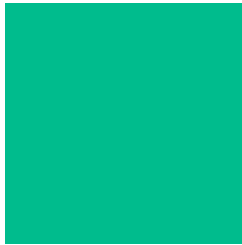
7.4293, 0.5902, 0.3025



0.3019, 0.5203, 0.2640

Previews

White Background



This preview shows how the Yxy color 37.8895, 0.2477, 0.4119 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 37.8895, 0.2477, 0.4119 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 37.8895, 0.2477, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 37.8895, 0.2477, 0.4119.

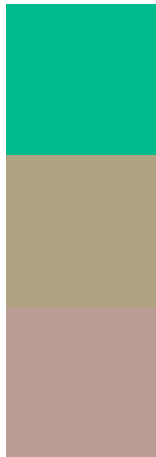


This preview shows how white text looks on a background with the Yxy color 37.8895, 0.2477, 0.4119.

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

37.8895, 0.2477, 0.4119

Protanopia

37.2766, 0.3543, 0.3776

Deuteranopia

37.0309, 0.3501, 0.3428



Tritanopia

37.9939, 0.2279, 0.3054

Trichromacy



Original Color

37.8895, 0.2477, 0.4119



Protanomaly

34.9879, 0.2908, 0.3943



Deuteranomaly

34.2718, 0.2877, 0.3684



Tritanomaly

37.8276, 0.2330, 0.3420

Monochromacy



Original Color

37.8895, 0.2477, 0.4119



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.8391, 0.2658, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8895, 0.2477, 0.4119 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(0, 188, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 141)  
}
```

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(0, 188, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 141) }
```

Border

The CSS property to change the border of an element to Yxy 37.8895, 0.2477, 0.4119 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(0, 188, 141) }
```

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

```
.border{ border-color:rgb(0, 188, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8895, 0.2477, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 141) }
```

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

```
.background{ background-color: rgb(0, 188,  
141) }
```

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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