

Converting Colors

$Y_{xy}(37.9720, 0.2442, 0.4003)$

Have a look what the booklet for
Yxy(37.9720, 0.2442, 0.4003)
contains.

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Color

Yxy(38.0730, 0.2446, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	00BC93
RGB	0, 188, 147
RGB Percent	0%, 74%, 58%
CMY	1.0000, 0.2627, 0.4236
CMYK	1.00, 0.00, 0.22, 0.26
HSL	167°, 100%, 37%
HSV	167°, 100%, 74%
XYZ	23.2468, 38.0730, 33.7202
YIQ	127.1140, -98.8870, -52.6070

Conversions

Conversions Part 2

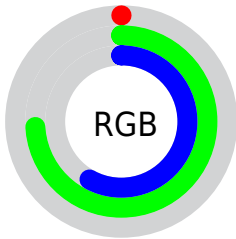
Format	Color
RYB	0, 106, 188
Decimal	48275
CIELab	68.07, -49.70, 9.64
CIELCh	68, 50.628, 169.020
Yxy	38.0730, 0.2446, 0.4006
Android (android.graphics.Color)	4278238355 (0xFF00BC93)
YUV	127.1140, 9.8038, -111.4790
Hunter-Lab	61.7033, -40.7308, 10.7910

Details

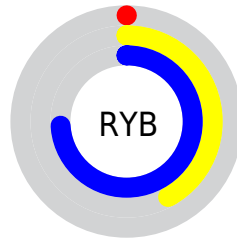
The Yxy color **38.0730, 0.2446, 0.4006** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.8525, 0.6028, 0.3094**, and the grayscale version is **21.2565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1185, 0.2579, 0.3857**, and **17.6196, 0.2498, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **38.0756, 0.2446, 0.4006**, and if you desaturate by 10%, it is **38.3431, 0.2442, 0.3927**.

Distribution



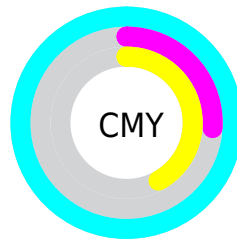
- Red (0%)
- Green (74%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0730, 0.2446, 0.4006 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 38.0730, 0.2446, 0.4006 by changing the saturation by 10% instead.


 38.0730, 0.2446,
0.4006


 38.0730, 0.2446,
0.4006

337.9330, 0.2803,
0.3622

 26.0394, 0.2352,
0.4111


 72.2200, 0.2579,
0.3860

 16.8531, 0.2228,
0.4252


 95.1022, 0.2628,
0.3807


 10.1298, 0.2059,
0.4449


 122.3693, 0.2669,
0.3763

 5.4851, 0.1816,
0.4745

 154.4057, 0.2704,
0.3726

 2.5346, 0.1424,
0.5242

 191.5960, 0.2734,
0.3694

 0.8939, 0.0000,
0.7493

 234.3243, 0.2760,

 0.0000, 0.0000,

0.3667

0.0000

282.9752, 0.2783,
0.3643

■ 38.0730, 0.2446,
0.4006

■ 38.0730, 0.2446,
0.4006

■ 38.0756, 0.2446,
0.4006

■ 38.3431, 0.2442,
0.3927

■ 38.7469, 0.2453,
0.3847

■ 39.3352, 0.2483,
0.3767

■ 40.1320, 0.2532,
0.3688

■ 41.1578, 0.2599,
0.3612

■ 42.4304, 0.2683,
0.3538

■ 43.9660, 0.2781,
0.3468

■ 45.7793, 0.2889,
0.3404

■ 47.8841, 0.3005,
0.3344

Harmonies

Analogous

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



38.0730, 0.3122, 0.4589



38.0730, 0.2446, 0.4006



38.0730, 0.1988, 0.3199

Triad

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



38.0730, 0.2446, 0.4006



38.0730, 0.2337, 0.2151



38.0730, 0.4629, 0.3744

Complementary

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



38.0730, 0.2446, 0.4006



10.8525, 0.6028, 0.3094

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.



38.0730, 0.4396, 0.3188



38.0730, 0.2446, 0.4006



38.0730, 0.2982, 0.2323

Square

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



38.0730, 0.2446, 0.4006



38.0730, 0.1942, 0.2216



38.0730, 0.3759, 0.2689



38.0730, 0.4400, 0.4278

Rectangle

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



38.0730, 0.2446, 0.4006



38.0730, 0.1845, 0.2740



38.0730, 0.3759, 0.2689



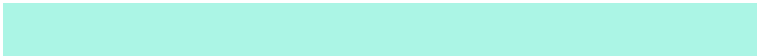
38.0730, 0.4605, 0.3557

Sweetspot

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



38.0756, 0.2446, 0.4006



79.5269, 0.2775, 0.3472



36.5021, 0.3089, 0.5929



16.8389, 0.2733, 0.3501



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.



38.0756, 0.2446, 0.4006



68.9624, 0.2450, 0.4019



21.7714, 0.2000, 0.2399



10.7729, 0.3013, 0.3341



25.9331, 0.2443, 0.3996



1.0248, 0.2391, 0.3806

Inverse Universe

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



10.8525, 0.6028, 0.3094



19.6374, 0.6063, 0.3114



12.9851, 0.6042, 0.3585



9.5695, 0.3255, 0.3240



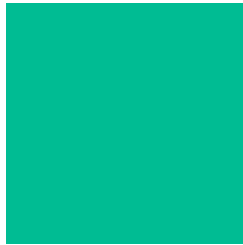
7.3976, 0.5998, 0.3078



0.2998, 0.5322, 0.2706

Previews

White Background



This preview shows how the Yxy color 38.0730, 0.2446, 0.4006 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 38.0730, 0.2446, 0.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

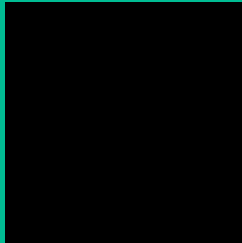
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

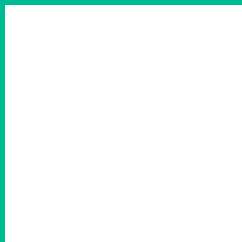
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0730, 0.2446, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 38.0730, 0.2446, 0.4006.



This preview shows how white text looks on a background with the Yxy color 38.0730, 0.2446, 0.4006.

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

38.0730, 0.2446, 0.4006

Protanopia

37.2989, 0.3487, 0.3705

Deuteranopia

37.4105, 0.3440, 0.3373



Tritanopia

37.9328, 0.2273, 0.3054

Trichromacy



Original Color

38.0730, 0.2446, 0.4006



Protanomaly

35.1307, 0.2871, 0.3856



Deuteranomaly

34.8354, 0.2833, 0.3598



Tritanomaly

37.8886, 0.2318, 0.3386

Monochromacy



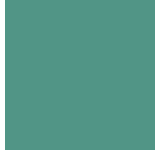
Original Color

38.0730, 0.2446, 0.4006



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.9655, 0.2642, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0730, 0.2446, 0.4006 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 147) }
```

Border

The CSS property to change the border of an element to Yxy 38.0730, 0.2446, 0.4006 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, 147) }
```

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

```
.border{ border-color:rgb(0, 188, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0730, 0.2446, 0.4006 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, 147) }
```

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

```
.background{ background-color: rgb(0, 188,  
147) }
```

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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