

Converting Colors

$Yxy(32.0158, 0.1359, 0.4319)$

Have a look what the booklet for
Yxy(32.0158, 0.1359, 0.4319)
contains.

Yxy(38.8405, 0.2470, 0.4091)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.8405, 0.2470, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	00BE90
RGB	0, 190, 144
RGB Percent	0%, 75%, 56%
CMY	0.9989, 0.2549, 0.4353
CMYK	1.00, 0.00, 0.24, 0.25
HSL	165°, 100%, 37%
HSV	165°, 100%, 75%
XYZ	23.4505, 38.8405, 32.6503
YIQ	127.9460, -98.4740, -54.5860

Conversions

Conversions Part 2

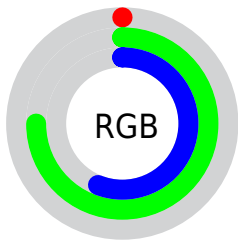
Format	Color
RYB	0, 108, 190
Decimal	48784
CIELab	68.64, -51.21, 12.06
CIELCh	69, 52.610, 166.752
Yxy	38.8405, 0.2470, 0.4091
Android (android.graphics.Color)	4278238864 (0xFF00BE90)
YUV	127.9460, 7.9146, -112.2086
Hunter-Lab	62.3221, -41.8980, 12.5637

Details

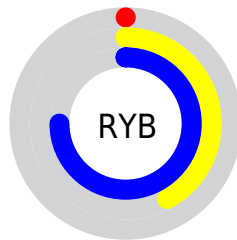
The Yxy color **38.8405, 0.2470, 0.4091** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.1525, 0.5954, 0.3055**, and the grayscale version is **21.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1954, 0.2597, 0.3921**, and **18.1361, 0.2523, 0.4283** is the 20% darker color. If you saturate the color by 10%, you get **38.8381, 0.2470, 0.4092**, and if you desaturate by 10%, it is **39.1253, 0.2463, 0.4002**.

Distribution



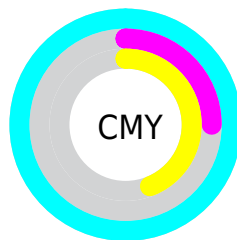
- Red (0%)
- Green (75%)
- Blue (56%)



- Red (0%)
- Yellow (42%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8405, 0.2470, 0.4091 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 38.8405, 0.2470, 0.4091 by changing the saturation by 10% instead.


 38.8405, 0.2470,
0.4091


 38.8405, 0.2470,
0.4091


341.2119, 0.2816,
0.3660

 26.6357, 0.2378,
0.4210


 73.3946, 0.2600,
0.3926

 17.2998, 0.2258,
0.4369


 96.5126, 0.2647,
0.3867

 10.4485, 0.2092,
0.4593


 124.0372, 0.2687,
0.3818

 5.6973, 0.1851,
0.4929

 156.3527, 0.2720,
0.3776

 2.6619, 0.1467,
0.5493

 193.8436, 0.2749,
0.3741

 0.9579, 0.0000,
0.8287

236.8941, 0.2774,

 0.0000, 0.0000,

0.3710

0.0000

285.8887, 0.2796,
0.3683

■ 38.8405, 0.2470,
0.4091

■ 38.8405, 0.2470,
0.4091

■ 38.8381, 0.2470,
0.4092

■ 39.1253, 0.2463,
0.4002

■ 39.5510, 0.2472,
0.3912

■ 40.1672, 0.2500,
0.3823

■ 40.9985, 0.2548,
0.3734

■ 42.0658, 0.2614,
0.3648

■ 43.3876, 0.2696,
0.3566

■ 44.9804, 0.2791,
0.3488

■ 46.8593, 0.2897,
0.3416

■ 49.0384, 0.3010,
0.3349

Harmonies

Analogous

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



38.8405, 0.3175, 0.4659



38.8405, 0.2470, 0.4091



38.8405, 0.1980, 0.3254

Triad

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



38.8405, 0.2470, 0.4091



38.8405, 0.2273, 0.2117



38.8405, 0.4675, 0.3707

Complementary

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



38.8405, 0.2470, 0.4091



11.1525, 0.5954, 0.3055

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.



38.8405, 0.4400, 0.3140



38.8405, 0.2470, 0.4091



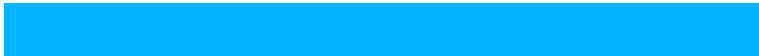
38.8405, 0.2919, 0.2276

Square

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



38.8405, 0.2470, 0.4091



38.8405, 0.1891, 0.2201



38.8405, 0.3718, 0.2638



38.8405, 0.4467, 0.4263

Rectangle

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



38.8405, 0.2470, 0.4091



38.8405, 0.1820, 0.2767



38.8405, 0.3718, 0.2638



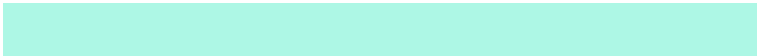
38.8405, 0.4638, 0.3515

Sweetspot

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



38.8420, 0.2470, 0.4091



81.3140, 0.2785, 0.3493



37.4483, 0.3101, 0.5919



17.5746, 0.2743, 0.3525



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.8420, 0.2470, 0.4091



70.3404, 0.2474, 0.4106



23.2356, 0.2017, 0.2459



10.7689, 0.3016, 0.3346



25.8385, 0.2467, 0.4081



1.0218, 0.2408, 0.3868

Inverse Universe

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



11.1525, 0.5954, 0.3055



20.1637, 0.5995, 0.3076



13.0381, 0.6076, 0.3556



9.5733, 0.3251, 0.3235



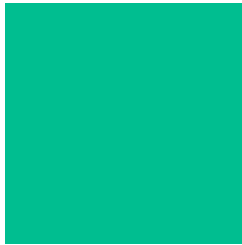
7.4213, 0.5926, 0.3038



0.3014, 0.5231, 0.2655

Previews

White Background



This preview shows how the Yxy color 38.8405, 0.2470, 0.4091 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 38.8405, 0.2470, 0.4091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

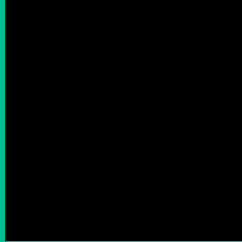
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8405, 0.2470, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 38.8405, 0.2470, 0.4091.



This preview shows how white text looks on a background with the Yxy color 38.8405, 0.2470, 0.4091.

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

38.8405, 0.2470, 0.4091

Protanopia

38.2855, 0.3539, 0.3770

Deuteranopia

38.0673, 0.3487, 0.3413



Tritanopia

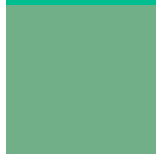
38.9048, 0.2277, 0.3056

Trichromacy



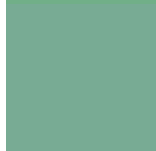
Original Color

38.8405, 0.2470, 0.4091



Protanomaly

35.9482, 0.2910, 0.3935



Deuteranomaly

35.2570, 0.2872, 0.3662



Tritanomaly

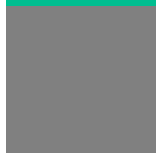
38.7442, 0.2329, 0.3418

Monochromacy



Original Color

38.8405, 0.2470, 0.4091



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.6483, 0.2655, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8405, 0.2470, 0.4091 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, 190, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 144)  
}
```

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, 190, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 144) }
```

Border

The CSS property to change the border of an element to Yxy 38.8405, 0.2470, 0.4091 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, 190, 144) }
```

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

```
.border{ border-color:rgb(0, 190, 144) }
```

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

Here you see how a box with a 4 pixel rgb(0, 190, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8405, 0.2470, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 144) }
```

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

```
.background{ background-color: rgb(0, 190,  
144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor