

Converting Colors

$Y_{xy}(38.1277, 0.2123, 0.4175)$

Have a look what the booklet for
Yxy(38.1277, 0.2123, 0.4175)
contains.

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Color

Yxy(40.6902, 0.2470, 0.4093)

Conversions

Conversions Part 1

Format	Color
Hex	00C293
RGB	0, 194, 147
RGB Percent	0%, 76%, 58%
CMY	1.0000, 0.2392, 0.4235
CMYK	1.00, 0.00, 0.24, 0.24
HSL	165°, 100%, 38%
HSV	165°, 100%, 76%
XYZ	24.5553, 40.6902, 34.1686
YIQ	130.6360, -100.5370, -55.7450

Conversions

Conversions Part 2

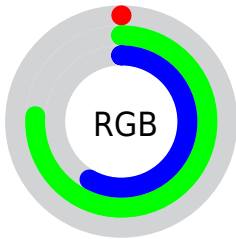
Format	Color
RYB	0, 110, 194
Decimal	49811
CIELab	69.96, -52.06, 12.29
CIELCh	70, 53.494, 166.714
Yxy	40.6902, 0.2470, 0.4093
Android (android.graphics.Color)	4278239891 (0xFF00C293)
YUV	130.6360, 8.0675, -114.5678
Hunter-Lab	63.7889, -42.9176, 12.8934

Details

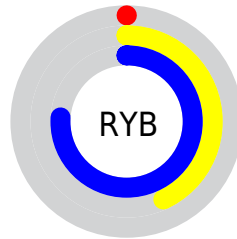
The Yxy color **40.6902, 0.2470, 0.4093** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.6756, 0.5962, 0.3058**, and the grayscale version is **22.5603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4905, 0.2598, 0.3936**, and **19.3098, 0.2529, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **40.6943, 0.2470, 0.4093**, and if you desaturate by 10%, it is **40.9874, 0.2463, 0.4004**.

Distribution



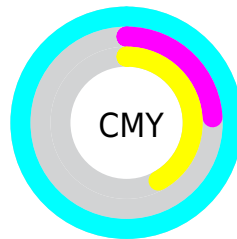
- Red (0%)
- Green (76%)
- Blue (58%)



- Red (0%)
- Yellow (43%)
- Blue (76%)



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




- Cyan (100%)
- Magenta (24%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6902, 0.2470, 0.4093 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 40.6902, 0.2470, 0.4093 by changing the saturation by 10% instead.


 40.6902, 0.2470,
0.4093


 40.6902, 0.2470,
0.4093


349.0241, 0.2813,
0.3664

 28.0771, 0.2380,
0.4210


 76.2134, 0.2598,
0.3930


 18.3838, 0.2262,
0.4366


 99.8923, 0.2645,
0.3871


 11.2259, 0.2101,
0.4584


 128.0285, 0.2684,
0.3822

 6.2190, 0.1869,
0.4908

 161.0065, 0.2718,
0.3780

 2.9787, 0.1513,
0.5437

 199.2107, 0.2747,
0.3745

 1.1206, 0.0000,
0.7668

243.0254, 0.2772,

 0.0000, 0.0000,

0.3714

0.0000

292.8351, 0.2794,
0.3687

■ 40.6902, 0.2470,
0.4093

■ 40.6902, 0.2470,
0.4093

■ 40.6943, 0.2470,
0.4093

■ 40.9874, 0.2463,
0.4004

■ 41.4290, 0.2471,
0.3914

■ 42.0700, 0.2499,
0.3824

■ 42.9365, 0.2547,
0.3736

■ 44.0505, 0.2612,
0.3649

■ 45.4315, 0.2694,
0.3567

■ 47.0968, 0.2789,
0.3489

■ 49.0626, 0.2895,
0.3417

■ 51.3434, 0.3008,
0.3350

Harmonies

Analogous

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



40.6902, 0.3175, 0.4662



40.6902, 0.2470, 0.4093



40.6902, 0.1979, 0.3255

Triad

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



40.6902, 0.2470, 0.4093



40.6902, 0.2272, 0.2115



40.6902, 0.4676, 0.3707

Complementary

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



40.6902, 0.2470, 0.4093



11.6756, 0.5962, 0.3058

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.



40.6902, 0.4401, 0.3139



40.6902, 0.2470, 0.4093



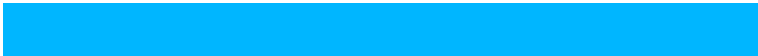
40.6902, 0.2918, 0.2275

Square

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



40.6902, 0.2470, 0.4093



40.6902, 0.1890, 0.2200



40.6902, 0.3718, 0.2636



40.6902, 0.4469, 0.4263

Rectangle

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



40.6902, 0.2470, 0.4093



40.6902, 0.1818, 0.2767



40.6902, 0.3718, 0.2636



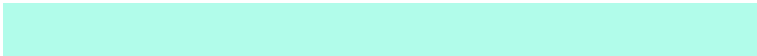
40.6902, 0.4640, 0.3515

Sweetspot

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



40.6943, 0.2470, 0.4093



85.1640, 0.2784, 0.3493



39.2279, 0.3100, 0.5921



18.3540, 0.2742, 0.3526



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.6943, 0.2470, 0.4093



73.6786, 0.2474, 0.4107



24.3012, 0.2016, 0.2457



11.3854, 0.3016, 0.3346



26.7662, 0.2467, 0.4081



1.1668, 0.2412, 0.3883

Inverse Universe

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



11.6756, 0.5962, 0.3058



21.1181, 0.5998, 0.3078



13.6256, 0.6082, 0.3553



10.1170, 0.3252, 0.3234



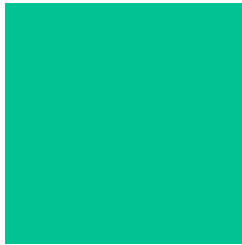
7.6867, 0.5929, 0.3040



0.3434, 0.5279, 0.2682

Previews

White Background



This preview shows how the Yxy color 40.6902, 0.2470, 0.4093 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 40.6902, 0.2470, 0.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

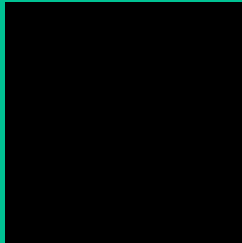
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6902, 0.2470, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 40.6902, 0.2470, 0.4093.



This preview shows how white text looks on a background with the Yxy color 40.6902, 0.2470, 0.4093.

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

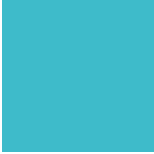
40.6902, 0.2470, 0.4093

Protanopia

39.8285, 0.3532, 0.3763

Deuteranopia

40.0905, 0.3488, 0.3424



Tritanopia

40.8290, 0.2280, 0.3061

Trichromacy



Original Color

40.6902, 0.2470, 0.4093



Protanomaly

37.3497, 0.2905, 0.3924



Deuteranomaly

37.0319, 0.2869, 0.3671



Tritanomaly

40.6356, 0.2328, 0.3416

Monochromacy



Original Color

40.6902, 0.2470, 0.4093



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.7563, 0.2647, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6902, 0.2470, 0.4093 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, 194, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 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, 194, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 147) }
```

Border

The CSS property to change the border of an element to Yxy 40.6902, 0.2470, 0.4093 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, 194, 147) }
```

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

```
.border{ border-color:rgb(0, 194, 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, 194, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6902, 0.2470, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 147) }
```

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

```
.background{ background-color: rgb(0, 194,  
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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