

Converting Colors

$Y_{xy}(42.1875, 0.2404, 0.3850)$

Have a look what the booklet for
Yxy(42.1875, 0.2404, 0.3850)
contains.

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Color

Yxy(42.1014, 0.2405, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	02C4A2
RGB	2, 196, 162
RGB Percent	1%, 77%, 64%
CMY	0.9914, 0.2314, 0.3648
CMYK	0.99, 0.00, 0.17, 0.23
HSL	169°, 98%, 39%
HSV	169°, 99%, 77%
XYZ	26.2861, 42.1014, 40.9101
YIQ	134.1180, -104.7100, -51.7020

Conversions

Conversions Part 2

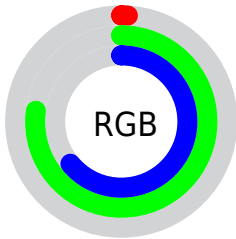
Format	Color
R_{YB}	2, 108, 196
Decimal	181410
CIE _{Lab}	70.94, -48.98, 5.58
CIE _{LCh}	71, 49.301, 173.501
Yxy	42.1014, 0.2405, 0.3852
Android (android.graphics.Color)	4278371490 (0xFF02C4A2)
YUV	134.1180, 13.7458, -115.8675
Hunter-Lab	64.8856, -41.2370, 8.0379

Details

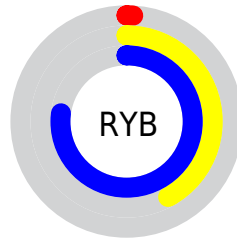
The Yxy color **42.1014, 0.2405, 0.3852** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.9125, 0.6115, 0.3152**, and the grayscale version is **23.8848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6601, 0.2540, 0.3746**, and **20.1755, 0.2443, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **42.0752, 0.2405, 0.3859**, and if you desaturate by 10%, it is **42.3812, 0.2405, 0.3790**.

Distribution



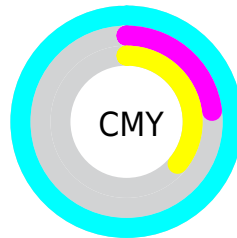
- Red (1%)
- Green (77%)
- Blue (64%)



- Red (1%)
- Yellow (42%)
- Blue (77%)



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (23%)





- Cyan (99%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1014, 0.2405, 0.3852 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 42.1014, 0.2405, 0.3852 by changing the saturation by 10% instead.


 42.1014, 0.2405,
0.3852

 42.1014, 0.2405,
0.3852

354.9031, 0.2773,
0.3560

 29.1807, 0.2312,
0.3928


 78.3531, 0.2540,
0.3743


 19.2176, 0.2191,
0.4028


 102.4528, 0.2590,
0.3703


 11.8276, 0.2030,
0.4165

 131.0477, 0.2633,
0.3670

 6.6264, 0.1805,
0.4362

 164.5221, 0.2669,
0.3641

 3.2296, 0.1472,
0.4668

 203.2605, 0.2700,
0.3617

 1.2527, 0.0000,
0.5743

247.6472, 0.2727,

 0.1041, 0.0000,

0.3595

1.0000

298.0666, 0.2751,
0.3577

■ 0.0000, 0.0000,
0.0000

■ 42.1014, 0.2405,
0.3852

■ 42.1014, 0.2405,
0.3852

■ 42.0752, 0.2405,
0.3859

■ 42.3812, 0.2405,
0.3790

■ 42.8199, 0.2421,
0.3727

■ 43.4631, 0.2456,
0.3664

■ 44.3369, 0.2511,
0.3601

■ 45.4636, 0.2583,
0.3541

■ 46.8628, 0.2673,
0.3482

■ 48.5521, 0.2776,
0.3427

■ 50.5477, 0.2890,
0.3376

■ 52.8646, 0.3013,
0.3328

Harmonies

Analogous

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



42.1014, 0.3026, 0.4452



42.1014, 0.2405, 0.3852



42.1014, 0.2006, 0.3103

Triad

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



42.1014, 0.2405, 0.3852



42.1014, 0.2457, 0.2218



42.1014, 0.4539, 0.3810

Complementary

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



42.1014, 0.2405, 0.3852



11.9125, 0.6115, 0.3152

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.



42.1014, 0.4383, 0.3277



42.1014, 0.2405, 0.3852



42.1014, 0.3099, 0.2412

Square

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



42.1014, 0.2405, 0.3852



42.1014, 0.2041, 0.2246



42.1014, 0.3828, 0.2786



42.1014, 0.4272, 0.4300

Rectangle

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



42.1014, 0.2405, 0.3852



42.1014, 0.1895, 0.2694



42.1014, 0.3828, 0.2786



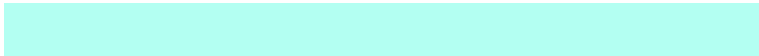
42.1014, 0.4537, 0.3632

Sweetspot

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



42.1030, 0.2405, 0.3852



87.4291, 0.2759, 0.3436



39.8929, 0.3061, 0.5944



18.4267, 0.2714, 0.3459



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.



42.1030, 0.2405, 0.3852



76.1844, 0.2408, 0.3869



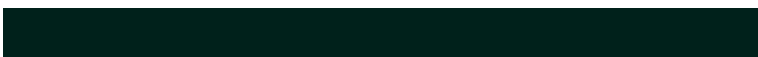
21.2246, 0.1955, 0.2230



11.3971, 0.3007, 0.3331



27.0457, 0.2403, 0.3850



1.1767, 0.2364, 0.3711

Inverse Universe

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



11.9125, 0.6115, 0.3152



21.4477, 0.6174, 0.3175



15.3590, 0.5899, 0.3685



10.1061, 0.3262, 0.3250



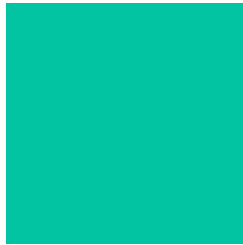
7.6256, 0.6115, 0.3142



0.3386, 0.5533, 0.2821

Previews

White Background



This preview shows how the Yxy color 42.1014, 0.2405, 0.3852 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 42.1014, 0.2405, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

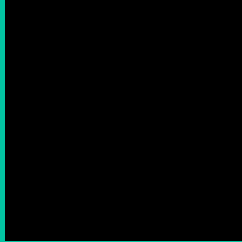
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

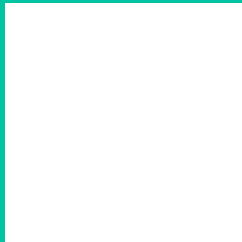
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1014, 0.2405, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 42.1014, 0.2405, 0.3852.

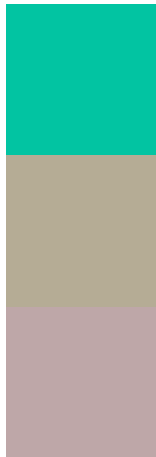


This preview shows how white text looks on a background with the Yxy color 42.1014, 0.2405, 0.3852.

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

42.1014, 0.2405, 0.3852

Protanopia

41.4987, 0.3408, 0.3605

Deuteranopia

41.4117, 0.3334, 0.3277



Tritanopia

42.1045, 0.2264, 0.3063

Trichromacy



Original Color

42.1014, 0.2405, 0.3852



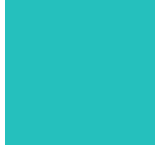
Protanomaly

39.0938, 0.2809, 0.3716



Deuteranomaly

38.7315, 0.2765, 0.3474



Tritanomaly

41.7667, 0.2299, 0.3335

Monochromacy



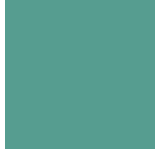
Original Color

42.1014, 0.2405, 0.3852



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.1060, 0.2625, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1014, 0.2405, 0.3852 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(2, 196, 162)` looks like.

```
.text, #text, p{  
    color:rgb(2, 196, 162)  
}
```

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(2, 196, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 196, 162) }
```

Border

The CSS property to change the border of an element to Yxy 42.1014, 0.2405, 0.3852 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(2, 196, 162) }
```

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

```
.border{ border-color:rgb(2, 196, 162) }
```

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

Here you see how a box with a 4 pixel rgb(2, 196, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 196, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 196, 162);  
box-shadow:4px 4px 4px 4px rgb(2, 196,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1014, 0.2405, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 196, 162) }
```

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

```
.background{ background-color: rgb(2, 196,  
162) }
```

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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