

Converting Colors

$Yxy(41.0423, 0.2543, 0.4325)$

Have a look what the booklet for
Yxy(41.0423, 0.2543, 0.4325)
contains.

Yxy(40.8440, 0.2544, 0.4327)	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(40.8440, 0.2544, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	0AC387
RGB	10, 195, 135
RGB Percent	4%, 76%, 53%
CMY	0.9604, 0.2353, 0.4706
CMYK	0.95, 0.00, 0.31, 0.24
HSL	161°, 90%, 40%
HSV	161°, 95%, 76%
XYZ	24.0137, 40.8440, 29.5357
YIQ	132.8450, -91.0000, -57.8800

Conversions

Conversions Part 2

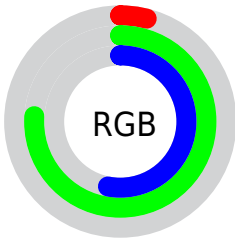
Format	Color
RYB	10, 120, 195
Decimal	705415
CIELab	70.07, -54.89, 18.92
CIELCh	70, 58.057, 160.977
Yxy	40.8440, 0.2544, 0.4327
Android (android.graphics.Color)	4278895495 (0xFF0AC387)
YUV	132.8450, 1.0624, -107.7351
Hunter-Lab	63.9093, -44.7706, 17.3357

Details

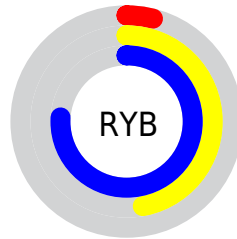
The Yxy color **40.8440, 0.2544, 0.4327** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2656, 0.5528, 0.2858**, and the grayscale version is **23.4294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6481, 0.2665, 0.4121**, and **19.4120, 0.2611, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **40.6894, 0.2553, 0.4390**, and if you desaturate by 10%, it is **41.2342, 0.2536, 0.4204**.

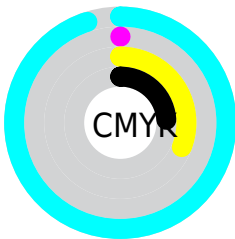
Distribution



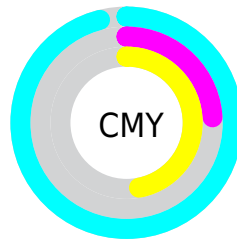
- Red (4%)
- Green (76%)
- Blue (53%)



- Red (4%)
- Yellow (47%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (31%)
- Black (24%)





- Cyan (96%)
- Magenta (24%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8440, 0.2544, 0.4327 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 40.8440, 0.2544, 0.4327 by changing the saturation by 10% instead.


 40.8440, 0.2544,
0.4327


 40.8440, 0.2544,
0.4327


349.6682, 0.2856,
0.3764


 28.1972, 0.2459,
0.4483


 76.4470, 0.2663,
0.4112


 18.4744, 0.2346,
0.4692


 100.1720, 0.2706,
0.4034


 11.2911, 0.2188,
0.4987


 128.3586, 0.2741,
0.3970

 6.2630, 0.1956,
0.5431

 161.3911, 0.2772,
0.3916

 3.0056, 0.1581,
0.6160

 199.6539, 0.2797,
0.3870

 1.1347, 0.0000,
1.0000

243.5314, 0.2820,

 0.0074, 0.0000,

0.3830

1.0000

293.4081, 0.2839,
0.3795

■ 0.0000, 0.0000,
0.0000

■ 40.8440, 0.2544,
0.4327

■ 40.8440, 0.2544,
0.4327

■ 40.6894, 0.2553,
0.4390

■ 41.2342, 0.2536,
0.4204

■ 41.8141, 0.2547,
0.4080

■ 42.6147, 0.2578,
0.3956

■ 43.6603, 0.2629,
0.3835

■ 44.9717, 0.2696,
0.3719

■ 46.5676, 0.2777,
0.3610

■ 48.4650, 0.2869,
0.3507

■ 50.6795, 0.2969,
0.3413

■ 53.2255, 0.3075,
0.3328

Harmonies

Analogous

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



40.8440, 0.3322, 0.4836



40.8440, 0.2544, 0.4327



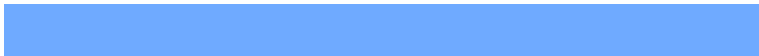
40.8440, 0.1969, 0.3416

Triad

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



40.8440, 0.2544, 0.4327



40.8440, 0.2108, 0.2030



40.8440, 0.4786, 0.3602

Complementary

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



40.8440, 0.2544, 0.4327



12.2656, 0.5528, 0.2858

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.



40.8440, 0.4392, 0.3010



40.8440, 0.2544, 0.4327



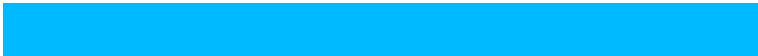
40.8440, 0.2745, 0.2155

Square

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



40.8440, 0.2544, 0.4327



40.8440, 0.1762, 0.2169



40.8440, 0.3596, 0.2501



40.8440, 0.4644, 0.4209

Rectangle

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



40.8440, 0.2544, 0.4327



40.8440, 0.1760, 0.2853



40.8440, 0.3596, 0.2501



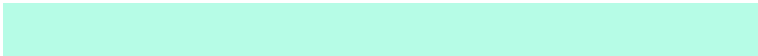
40.8440, 0.4715, 0.3400

Sweetspot

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



40.8456, 0.2544, 0.4327



85.5057, 0.2835, 0.3543



40.4212, 0.3195, 0.5810



18.4019, 0.2794, 0.3589



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.



40.8456, 0.2544, 0.4327



72.8255, 0.2558, 0.4408



30.6233, 0.2113, 0.2778



11.3710, 0.3027, 0.3366



26.4611, 0.2548, 0.4374



1.1555, 0.2473, 0.4101

Inverse Universe

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



12.2656, 0.5528, 0.2858



21.3878, 0.5721, 0.2925



13.2052, 0.6119, 0.3460



10.1306, 0.3239, 0.3216



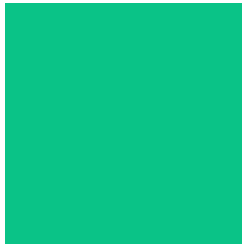
7.7900, 0.5647, 0.2885



0.3494, 0.5004, 0.2531

Previews

White Background



This preview shows how the Yxy color 40.8440, 0.2544, 0.4327 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 40.8440, 0.2544, 0.4327 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 40.8440, 0.2544, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 40.8440, 0.2544, 0.4327.

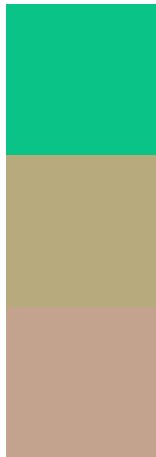


This preview shows how white text looks on a background with the Yxy color 40.8440, 0.2544, 0.4327.

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

40.8440, 0.2544, 0.4327

Protanopia

40.2720, 0.3656, 0.3922

Deuteranopia

39.8831, 0.3645, 0.3568



Tritanopia

40.9982, 0.2296, 0.3062

Trichromacy



Original Color

40.8440, 0.2544, 0.4327



Protanomaly

37.7918, 0.3024, 0.4116



Deuteranomaly

37.1132, 0.3007, 0.3863



Tritanomaly

40.6221, 0.2363, 0.3481

Monochromacy



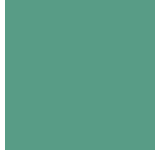
Original Color

40.8440, 0.2544, 0.4327



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.5729, 0.2710, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8440, 0.2544, 0.4327 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(10, 195, 135)` looks like.

```
.text, #text, p{  
    color:rgb(10, 195, 135)  
}
```

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(10, 195, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 195, 135) }
```

Border

The CSS property to change the border of an element to Yxy 40.8440, 0.2544, 0.4327 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(10, 195, 135) }
```

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

```
.border{ border-color:rgb(10, 195, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 195, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 195, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 195, 135);  
box-shadow:4px 4px 4px 4px rgb(10, 195,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8440, 0.2544, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 195, 135) }
```

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

```
.background{ background-color: rgb(10, 195,  
135) }
```

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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