

Converting Colors

$Yxy(41.0906, 0.2473, 0.3841)$

Have a look what the booklet for
Yxy(41.0906, 0.2473, 0.3841)
contains.

Yxy(41.2715, 0.2477, 0.3850)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.2715, 0.2477, 0.3850)

Conversions

Conversions Part 1

Format	Color
Hex	30C19F
RGB	48, 193, 159
RGB Percent	19%, 76%, 62%
CMY	0.8112, 0.2432, 0.3764
CMYK	0.75, 0.00, 0.18, 0.24
HSL	166°, 60%, 47%
HSV	166°, 75%, 76%
XYZ	26.5531, 41.2715, 39.3741
YIQ	145.7690, -75.5060, -41.3140

Conversions

Conversions Part 2

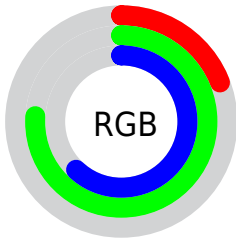
Format	Color
RYB	48, 130, 193
Decimal	3195295
CIELab	70.37, -45.41, 6.42
CIELCh	70, 45.857, 171.955
Yxy	41.2715, 0.2477, 0.3850
Android (android.graphics.Color)	4281385375 (0xFF30C19F)
YUV	145.7690, 6.5229, -85.7434
Hunter-Lab	64.2429, -38.6468, 8.6315

Details

The Yxy color **41.2715, 0.2477, 0.3850** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **14.0746, 0.5112, 0.2927**, and the grayscale version is **28.6600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9393, 0.2597, 0.3733**, and **19.2597, 0.2440, 0.3984** is the 20% darker color. If you saturate the color by 10%, you get **40.7457, 0.2458, 0.3937**, and if you desaturate by 10%, it is **42.0105, 0.2515, 0.3764**.

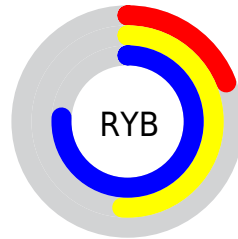
Distribution



Red (19%)

Green (76%)

Blue (62%)



Red (19%)

Yellow (51%)

Blue (76%)

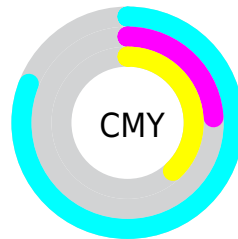


Cyan (75%)

Magenta (0%)

Yellow (18%)

Black (24%)



Cyan (81%)


Magenta (24%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2715, 0.2477, 0.3850 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 41.2715, 0.2477, 0.3850 by changing the saturation by 10% instead.

 41.2715, 0.2477,
0.3850


 41.2715, 0.2477,
0.3850


351.4541, 0.2810,
0.3557


 28.5313, 0.2391,
0.3928


 77.0959, 0.2600,
0.3740


 18.7265, 0.2280,
0.4030


 100.9488, 0.2646,
0.3700


 11.4728, 0.2131,
0.4170

 129.2748, 0.2684,
0.3666

 6.3858, 0.1919,
0.4375

 162.4582, 0.2717,
0.3638

 3.0811, 0.1601,
0.4699

 200.8835, 0.2745,
0.3613

 1.1742, 0.0000,
0.5945

244.9349, 0.2770,

 0.0405, 0.0000,

0.3592

1.0000

294.9970, 0.2791,
0.3573

■ 0.0000, 0.0000,
0.0000

■ 41.2715, 0.2477,
0.3850

■ 41.2715, 0.2477,
0.3850

■ 40.7457, 0.2458,
0.3937

■ 42.0105, 0.2515,
0.3764

■ 40.3996, 0.2459,
0.4023

■ 42.9814, 0.2572,
0.3679

■ 40.2664, 0.2463,
0.4065

■ 44.2063, 0.2647,
0.3598

■ 45.7032, 0.2736,
0.3520

■ 47.4885, 0.2838,
0.3447

■ 49.5775, 0.2949,
0.3380

■ 51.9841, 0.3066,
0.3319

■ 54.7216, 0.3188,
0.3263

■ 57.8022, 0.3311,
0.3214

Harmonies

Analogous

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



41.2715, 0.3071, 0.4388



41.2715, 0.2477, 0.3850



41.2715, 0.2083, 0.3154

Triad

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



41.2715, 0.2477, 0.3850



41.2715, 0.2472, 0.2272



41.2715, 0.4455, 0.3764

Complementary

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



41.2715, 0.2477, 0.3850



14.0746, 0.5112, 0.2927

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.



41.2715, 0.4284, 0.3258



41.2715, 0.2477, 0.3850



41.2715, 0.3069, 0.2446

Square

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



41.2715, 0.2477, 0.3850



41.2715, 0.2088, 0.2314



41.2715, 0.3752, 0.2795



41.2715, 0.4228, 0.4226

Rectangle

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



41.2715, 0.2477, 0.3850



41.2715, 0.1967, 0.2761



41.2715, 0.3752, 0.2795



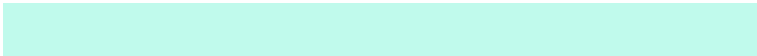
41.2715, 0.4445, 0.3595

Sweetspot

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



41.2731, 0.2477, 0.3850



85.6512, 0.2856, 0.3436



40.2536, 0.3195, 0.5522



18.1047, 0.2817, 0.3461



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.



41.2731, 0.2477, 0.3850



72.5532, 0.2456, 0.3992



28.5232, 0.2155, 0.2687



11.3867, 0.3015, 0.3345



26.7967, 0.2460, 0.4054



1.1679, 0.2406, 0.3863

Inverse Universe

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



14.0746, 0.5112, 0.2927



21.5469, 0.5724, 0.3001



17.9489, 0.5294, 0.3693



10.1158, 0.3253, 0.3236



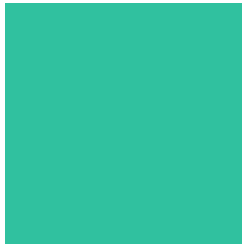
7.6787, 0.5953, 0.3053



0.3429, 0.5306, 0.2697

Previews

White Background



This preview shows how the Yxy color 41.2715, 0.2477, 0.3850 looks on a white background.

Color Contrast Check

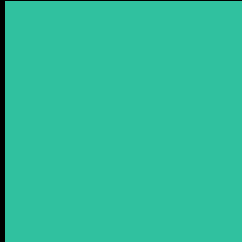
Large Text (above 18pt) WCAG AA × Fail

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 41.2715, 0.2477, 0.3850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

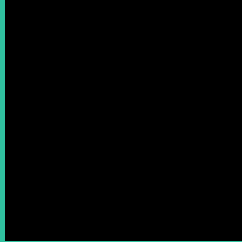
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

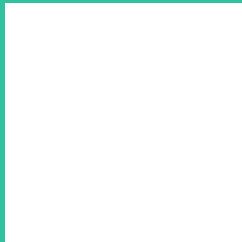
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.2715, 0.2477, 0.3850

Background



This preview shows how black text looks on a background with the Yxy color 41.2715, 0.2477, 0.3850.

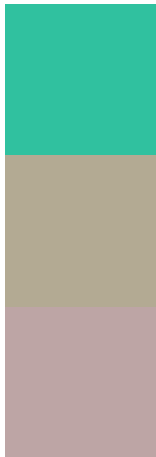


This preview shows how white text looks on a background with the Yxy color 41.2715, 0.2477, 0.3850.

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

41.2715, 0.2477, 0.3850

Protanopia

40.4397, 0.3412, 0.3609

Deuteranopia

40.4457, 0.3355, 0.3291



Tritanopia

41.1826, 0.2313, 0.3063

Trichromacy



Original Color

41.2715, 0.2477, 0.3850



Protanomaly

38.9004, 0.2942, 0.3707



Deuteranomaly

38.7076, 0.2907, 0.3470



Tritanomaly

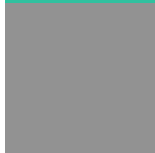
40.9971, 0.2368, 0.3335

Monochromacy



Original Color

41.2715, 0.2477, 0.3850



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.7437, 0.2762, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2715, 0.2477, 0.3850 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(48, 193, 159)` looks like.

```
.text, #text, p{  
    color:rgb(48, 193, 159)  
}
```

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(48, 193, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 193, 159) }
```

Border

The CSS property to change the border of an element to Yxy 41.2715, 0.2477, 0.3850 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(48, 193, 159) }
```

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

```
.border{ border-color:rgb(48, 193, 159) }
```

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

Here you see how a box with a 4 pixel rgb(48, 193, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 193, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 193, 159);  
box-shadow:4px 4px 4px 4px rgb(48, 193,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2715, 0.2477, 0.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 193, 159) }
```

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

```
.background{ background-color: rgb(48, 193,  
159) }
```

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