

Converting Colors

$Y_{xy}(43.6099, 0.2400, 0.3497)$

Have a look what the booklet for
Yxy(43.6099, 0.2400, 0.3497)
contains.

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Color

Yxy(43.7871, 0.2401, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	3BC4B6
RGB	59, 196, 182
RGB Percent	23%, 77%, 71%
CMY	0.7685, 0.2314, 0.2863
CMYK	0.70, 0.00, 0.07, 0.23
HSL	174°, 54%, 50%
HSV	174°, 70%, 77%
XYZ	29.9865, 43.7871, 51.1183
YIQ	153.4410, -77.1580, -33.3980

Conversions

Conversions Part 2

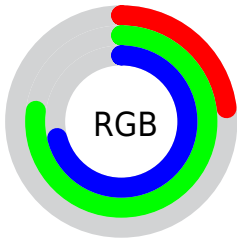
Format	Color
RYB	59, 131, 196
Decimal	3916982
CIELab	72.09, -39.30, -3.57
CIElCh	72, 39.461, 185.190
Yxy	43.7871, 0.2401, 0.3506
Android (android.graphics.Color)	4282107062 (0xFF3BC4B6)
YUV	153.4410, 14.0796, -82.8248
Hunter-Lab	66.1718, -34.9113, 0.5183

Details

The Yxy color **43.7871, 0.2401, 0.3506** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.3485, 0.5231, 0.3144**, and the grayscale version is **32.0235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7836, 0.2531, 0.3465**, and **20.6347, 0.2319, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **43.2155, 0.2362, 0.3541**, and if you desaturate by 10%, it is **44.5880, 0.2459, 0.3471**.

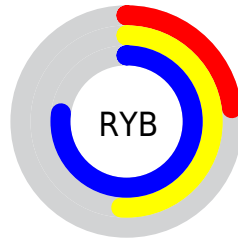
Distribution



Red (23%)

Green (77%)

Blue (71%)



Red (23%)

Yellow (51%)

Blue (77%)

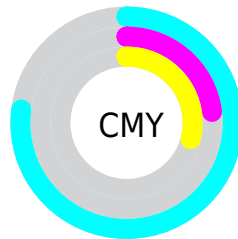


Cyan (70%)

Magenta (0%)

Yellow (7%)

Black (23%)



Cyan (77%)

Magenta (23%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7871, 0.2401, 0.3506 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 43.7871, 0.2401, 0.3506 by changing the saturation by 10% instead.

 43.7871, 0.2401,
0.3506

 43.7871, 0.2401,
0.3506


361.8388, 0.2762,
0.3402


 30.5032, 0.2312,
0.3530


 80.8973, 0.2532,
0.3469

 20.2208, 0.2198,
0.3560


 105.4923, 0.2581,
0.3455


 12.5557, 0.2049,
0.3598


 134.6265, 0.2623,
0.3443

 7.1233, 0.1845,
0.3648

 168.6843, 0.2658,
0.3433

 3.5393, 0.1552,
0.3711

 208.0500, 0.2689,
0.3424

 1.4194, 0.0857,
0.3894

253.1081, 0.2717,

 0.2309, 0.0000,

0.3416

304.2429, 0.2741,
0.3409

0.3155

0.0000, 0.0000,
0.0000

43.7871, 0.2401,
0.3506

43.7871, 0.2401,
0.3506

43.2155, 0.2362,
0.3541

44.5880, 0.2459,
0.3471

42.8416, 0.2342,
0.3576

45.6357, 0.2535,
0.3437

42.6161, 0.2337,
0.3611

46.9518, 0.2629,
0.3404

42.6138, 0.2337,
0.3611

48.5541, 0.2738,
0.3372

50.4587, 0.2859,
0.3342

■ 52.6809, 0.2991,
0.3315

■ 55.2346, 0.3129,
0.3290

■ 58.1330, 0.3271,
0.3267

■ 61.3887, 0.3415,
0.3247

Harmonies

Analogous

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



43.7871, 0.2851, 0.4039



43.7871, 0.2401, 0.3506



43.7871, 0.2153, 0.2956

Triad

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



43.7871, 0.2401, 0.3506



43.7871, 0.2779, 0.2456



43.7871, 0.4210, 0.3897

Complementary

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



43.7871, 0.2401, 0.3506



15.3485, 0.5231, 0.3144

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.



43.7871, 0.4210, 0.3468



43.7871, 0.2401, 0.3506



43.7871, 0.3339, 0.2680

Square

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



43.7871, 0.2401, 0.3506



43.7871, 0.2356, 0.2410



43.7871, 0.3881, 0.3039



43.7871, 0.3903, 0.4224

Rectangle

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



43.7871, 0.2401, 0.3506



43.7871, 0.2118, 0.2677



43.7871, 0.3881, 0.3039



43.7871, 0.4248, 0.3759

Sweetspot

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



43.7888, 0.2401, 0.3506



90.8720, 0.2841, 0.3347



41.2936, 0.3099, 0.5462



19.2360, 0.2806, 0.3355



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.



43.7888, 0.2401, 0.3506



77.8750, 0.2349, 0.3560



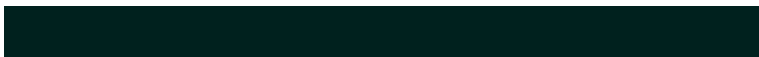
24.7103, 0.2119, 0.2417



11.4101, 0.2998, 0.3313



27.3876, 0.2335, 0.3606



1.1886, 0.2314, 0.3529

Inverse Universe

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



15.3485, 0.5231, 0.3144



23.1879, 0.5881, 0.3177



23.5381, 0.4885, 0.3924



10.0943, 0.3273, 0.3267



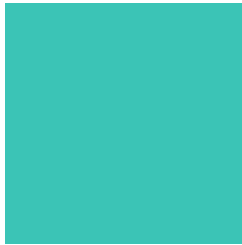
7.5795, 0.6266, 0.3226



0.3332, 0.5854, 0.2999

Previews

White Background



This preview shows how the Yxy color 43.7871, 0.2401, 0.3506 looks on a white background.

Color Contrast Check

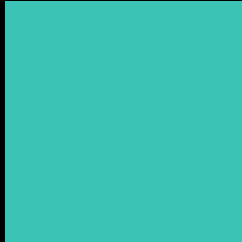
Large Text (above 18pt) WCAG AA × Fail

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 43.7871, 0.2401, 0.3506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

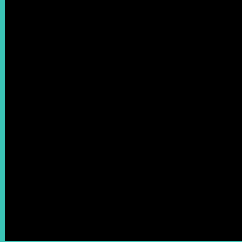
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

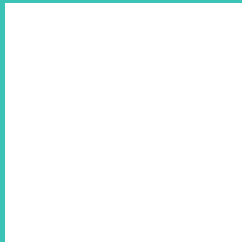
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.7871, 0.2401, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 43.7871, 0.2401, 0.3506.

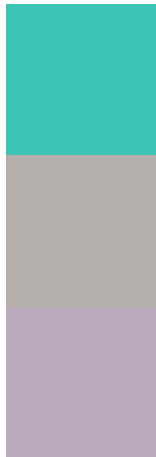


This preview shows how white text looks on a background with the Yxy color 43.7871, 0.2401, 0.3506.

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

43.7871, 0.2401, 0.3506

Protanopia

43.2655, 0.3213, 0.3357

Deuteranopia

42.9451, 0.3129, 0.3058



Tritanopia

43.6698, 0.2306, 0.3053

Trichromacy



Original Color

43.7871, 0.2401, 0.3506



Protanomaly

42.1572, 0.2818, 0.3421



Deuteranomaly

41.3608, 0.2760, 0.3189



Tritanomaly

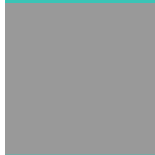
43.4924, 0.2335, 0.3198

Monochromacy



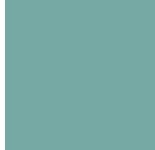
Original Color

43.7871, 0.2401, 0.3506



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.9782, 0.2744, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7871, 0.2401, 0.3506 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(59, 196, 182)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 182)  
}
```

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(59, 196, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 182) }
```

Border

The CSS property to change the border of an element to Yxy 43.7871, 0.2401, 0.3506 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(59, 196, 182) }
```

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

```
.border{ border-color:rgb(59, 196, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 196, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 182);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7871, 0.2401, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 182) }
```

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

```
.background{ background-color: rgb(59, 196,  
182) }
```

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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