

Converting Colors

$Y_{xy}(44.7150, 0.2382, 0.3468)$

Have a look what the booklet for
Yxy(44.7150, 0.2382, 0.3468)
contains.

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Color

Yxy(44.8032, 0.2383, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	39C6BA
RGB	57, 198, 186
RGB Percent	22%, 78%, 73%
CMY	0.7759, 0.2236, 0.2705
CMYK	0.71, 0.00, 0.06, 0.22
HSL	175°, 55%, 50%
HSV	175°, 71%, 78%
XYZ	30.7506, 44.8032, 53.4877
YIQ	154.4730, -80.1840, -33.6240

Conversions

Conversions Part 2

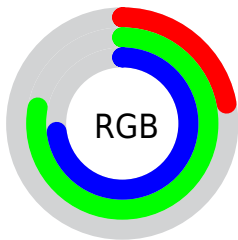
Format	Color
RYB	57, 131, 198
Decimal	3786426
CIELab	72.76, -39.35, -4.77
CIELCh	73, 39.635, 186.911
Yxy	44.8032, 0.2383, 0.3472
Android (android.graphics.Color)	4281976506 (0xFF39C6BA)
YUV	154.4730, 15.5428, -85.4838
Hunter-Lab	66.9352, -35.1322, -0.5238

Details

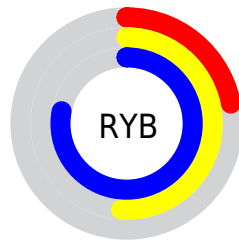
The Yxy color **44.8032, 0.2383, 0.3472** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.3754, 0.5331, 0.3172**, and the grayscale version is **32.5074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2159, 0.2514, 0.3440**, and **21.3384, 0.2306, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **44.2594, 0.2346, 0.3501**, and if you desaturate by 10%, it is **45.5782, 0.2440, 0.3443**.

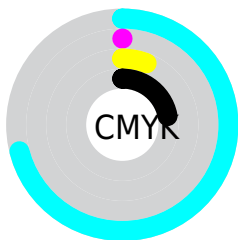
Distribution



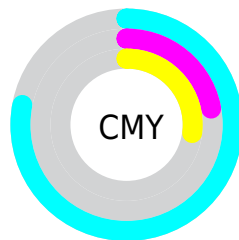
- Red (22%)
- Green (78%)
- Blue (73%)



- Red (22%)
- Yellow (51%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)




- Cyan (78%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8032, 0.2383, 0.3472 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 44.8032, 0.2383, 0.3472 by changing the saturation by 10% instead.


 44.8032, 0.2383,
0.3472

 44.8032, 0.2383,
0.3472


365.9759, 0.2751,
0.3387


 31.3024, 0.2293,
0.3491


 82.4250, 0.2515,
0.3443

 20.8293, 0.2179,
0.3514


 107.3149, 0.2566,
0.3431


 12.9993, 0.2029,
0.3543


 136.7699, 0.2608,
0.3421

 7.4280, 0.1826,
0.3578

 171.1744, 0.2645,
0.3413

 3.7312, 0.1537,
0.3618

 210.9129, 0.2677,
0.3405

 1.5244, 0.0934,
0.3724

256.3697, 0.2704,

 0.3058, 0.0000,

0.3398

0.3145

307.9293, 0.2729,
0.3392

■ 0.0000, 0.0000,
0.0000

■ 44.8032, 0.2383,
0.3472

■ 44.8032, 0.2383,
0.3472

■ 44.2594, 0.2346,
0.3501

■ 45.5782, 0.2440,
0.3443

■ 43.9137, 0.2326,
0.3530

■ 46.6028, 0.2515,
0.3415

■ 43.7279, 0.2321,
0.3555

■ 47.8994, 0.2608,
0.3387

■ 49.4864, 0.2717,
0.3361

■ 51.3808, 0.2839,
0.3336

■ 53.5982, 0.2971,
0.3313

■ 56.1529, 0.3111,
0.3292

■ 59.0587, 0.3255,
0.3273

■ 62.3284, 0.3402,
0.3256

Harmonies

Analogous

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



44.8032, 0.2823, 0.4011



44.8032, 0.2383, 0.3472



44.8032, 0.2148, 0.2930

Triad

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



44.8032, 0.2383, 0.3472



44.8032, 0.2810, 0.2467



44.8032, 0.4196, 0.3918

Complementary

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



44.8032, 0.2383, 0.3472



15.3754, 0.5331, 0.3172

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.



44.8032, 0.4216, 0.3494



44.8032, 0.2383, 0.3472



44.8032, 0.3372, 0.2700

Square

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



44.8032, 0.2383, 0.3472



44.8032, 0.2377, 0.2410



44.8032, 0.3905, 0.3063



44.8032, 0.3876, 0.4234

Rectangle

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



44.8032, 0.2383, 0.3472



44.8032, 0.2122, 0.2659



44.8032, 0.3905, 0.3063



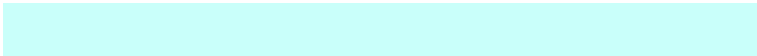
44.8032, 0.4240, 0.3783

Sweetspot

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



44.8049, 0.2383, 0.3472



90.9301, 0.2836, 0.3337



42.0301, 0.3085, 0.5506



19.2500, 0.2801, 0.3344



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.



44.8049, 0.2383, 0.3472



78.0258, 0.2334, 0.3516



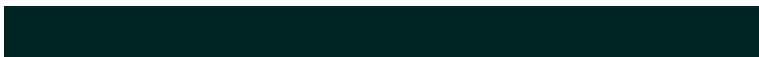
24.1926, 0.2095, 0.2357



12.0514, 0.2995, 0.3310



28.4456, 0.2320, 0.3551



1.3516, 0.2303, 0.3491

Inverse Universe

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



15.3754, 0.5331, 0.3172



22.9546, 0.5957, 0.3204



24.2187, 0.4901, 0.3958



10.6513, 0.3276, 0.3271



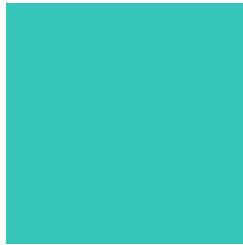
7.8390, 0.6295, 0.3241



0.3763, 0.5959, 0.3057

Previews

White Background



This preview shows how the Yxy color 44.8032, 0.2383, 0.3472 looks on a white background.

Color Contrast Check

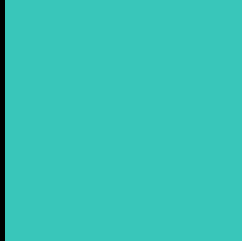
Large Text (above 18pt) WCAG AA × Fail

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 44.8032, 0.2383, 0.3472 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

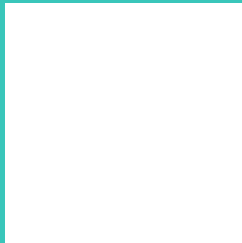
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8032, 0.2383, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 44.8032, 0.2383, 0.3472.

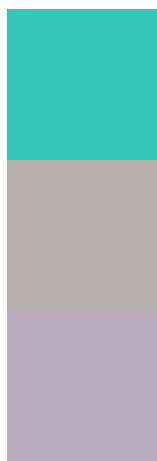


This preview shows how white text looks on a background with the Yxy color 44.8032, 0.2383, 0.3472.

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

44.8032, 0.2383, 0.3472

Protanopia

43.8916, 0.3196, 0.3330

Deuteranopia

44.0022, 0.3104, 0.3035



Tritanopia

44.5763, 0.2298, 0.3055

Trichromacy



Original Color

44.8032, 0.2383, 0.3472



Protanomaly

42.7296, 0.2791, 0.3376



Deuteranomaly

42.3409, 0.2735, 0.3161



Tritanomaly

44.4055, 0.2327, 0.3198

Monochromacy



Original Color

44.8032, 0.2383, 0.3472



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.8009, 0.2733, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8032, 0.2383, 0.3472 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(57, 198, 186)` looks like.

```
.text, #text, p{  
    color:rgb(57, 198, 186)  
}
```

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(57, 198, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 198, 186) }
```

Border

The CSS property to change the border of an element to Yxy 44.8032, 0.2383, 0.3472 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(57, 198, 186) }
```

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

```
.border{ border-color:rgb(57, 198, 186) }
```

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

Here you see how a box with a 4 pixel rgb(57, 198, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 198, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 198, 186);  
box-shadow:4px 4px 4px 4px rgb(57, 198,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8032, 0.2383, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 198, 186) }
```

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

```
.background{ background-color: rgb(57, 198,  
186) }
```

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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