

Converting Colors

$Y_{xy}(44.0144, 0.2482, 0.3794)$

Have a look what the booklet for
Yxy(44.0144, 0.2482, 0.3794)
contains.

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Color

Yxy(44.0112, 0.2483, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	39C6A6
RGB	57, 198, 166
RGB Percent	22%, 78%, 65%
CMY	0.7770, 0.2235, 0.3491
CMYK	0.71, 0.00, 0.16, 0.22
HSL	166°, 55%, 50%
HSV	166°, 71%, 78%
XYZ	28.7578, 44.0112, 43.0499
YIQ	152.1930, -73.7640, -39.8440

Conversions

Conversions Part 2

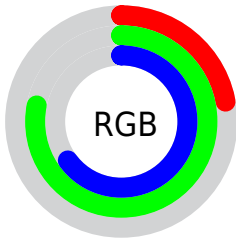
Format	Color
RYB	57, 137, 198
Decimal	3786406
CIELab	72.24, -44.66, 5.34
CIELCh	72, 44.978, 173.182
Yxy	44.0112, 0.2483, 0.3800
Android (android.graphics.Color)	4281976486 (0xFF39C6A6)
YUV	152.1930, 6.8069, -83.4843
Hunter-Lab	66.3409, -38.7195, 7.9642

Details

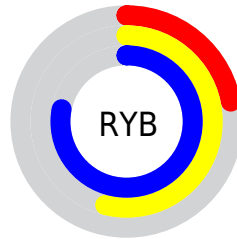
The Yxy color **44.0112, 0.2483, 0.3800** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **15.6407, 0.4987, 0.2938**, and the grayscale version is **31.4662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9514, 0.2602, 0.3697**, and **20.8598, 0.2427, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **43.3794, 0.2457, 0.3884**, and if you desaturate by 10%, it is **44.8788, 0.2529, 0.3717**.

Distribution



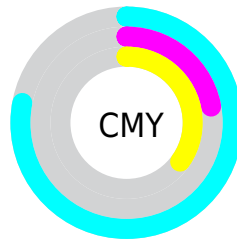
- Red (22%)
- Green (78%)
- Blue (65%)



- Red (22%)
- Yellow (54%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)



- Cyan (78%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0112, 0.2483, 0.3800 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 44.0112, 0.2483, 0.3800 by changing the saturation by 10% instead.


 44.0112, 0.2483,
0.3800


 44.0112, 0.2483,
0.3800


362.7540, 0.2809,
0.3537


 30.6793, 0.2401,
0.3868


 81.2346, 0.2602,
0.3703

 20.3548, 0.2295,
0.3957


 105.8949, 0.2647,
0.3667


 12.6532, 0.2153,
0.4078


 135.1001, 0.2684,
0.3636

 7.1902, 0.1956,
0.4251

 169.2347, 0.2716,
0.3611

 3.5813, 0.1664,
0.4518

 208.6829, 0.2744,
0.3588

 1.4422, 0.0718,
0.5249

253.8293, 0.2769,

 0.2475, 0.0000,

0.3569

1.0000

305.0582, 0.2790,
0.3552

■ 0.0000, 0.0000,
0.0000

■ 44.0112, 0.2483,
0.3800

■ 44.0112, 0.2483,
0.3800

■ 43.3794, 0.2457,
0.3884

■ 44.8788, 0.2529,
0.3717

■ 42.9501, 0.2450,
0.3967

■ 46.0008, 0.2593,
0.3636

■ 42.6967, 0.2455,
0.4040

■ 47.3996, 0.2674,
0.3559

■ 49.0938, 0.2770,
0.3486

■ 51.1003, 0.2876,
0.3417

■ 53.4347, 0.2991,
0.3354

■ 56.1117, 0.3111,
0.3297

■ 59.1450, 0.3235,
0.3245

■ 62.5474, 0.3359,
0.3199

Harmonies

Analogous

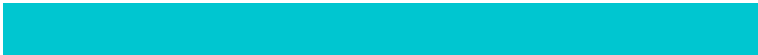
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0112, 0.3051, 0.4326



44.0112, 0.2483, 0.3800



44.0112, 0.2111, 0.3137

Triad

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



44.0112, 0.2483, 0.3800



44.0112, 0.2517, 0.2310



44.0112, 0.4402, 0.3771

Complementary

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



44.0112, 0.2483, 0.3800



15.6407, 0.4987, 0.2938

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.



44.0112, 0.4252, 0.3282



44.0112, 0.2483, 0.3800



44.0112, 0.3099, 0.2486

Square

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



44.0112, 0.2483, 0.3800



44.0112, 0.2135, 0.2343



44.0112, 0.3753, 0.2830



44.0112, 0.4173, 0.4211

Rectangle

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



44.0112, 0.2483, 0.3800



44.0112, 0.2005, 0.2764



44.0112, 0.3753, 0.2830



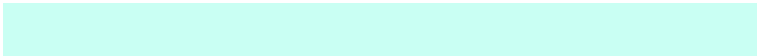
44.0112, 0.4396, 0.3609

Sweetspot

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



44.0129, 0.2483, 0.3800



90.4620, 0.2876, 0.3417



42.8521, 0.3190, 0.5439



19.1373, 0.2845, 0.3436



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.



44.0129, 0.2483, 0.3800



76.3092, 0.2450, 0.3934



30.2159, 0.2175, 0.2681



12.0248, 0.3013, 0.3343



27.7763, 0.2452, 0.4028



1.3256, 0.2404, 0.3855

Inverse Universe

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



15.6407, 0.4987, 0.2938



23.1668, 0.5612, 0.2987



20.3981, 0.5125, 0.3723



10.6757, 0.3255, 0.3238



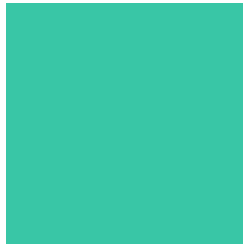
7.9414, 0.5979, 0.3067



0.3874, 0.5377, 0.2736

Previews

White Background



This preview shows how the Yxy color 44.0112, 0.2483, 0.3800 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 44.0112, 0.2483, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

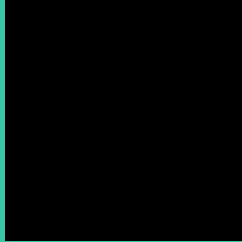
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

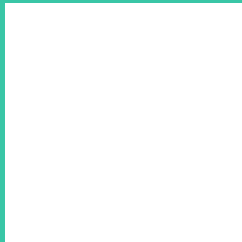
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0112, 0.2483, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 44.0112, 0.2483, 0.3800.

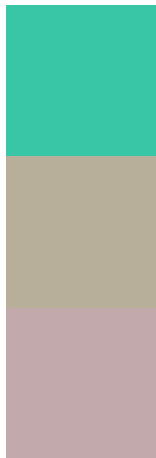


This preview shows how white text looks on a background with the Yxy color 44.0112, 0.2483, 0.3800.

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

44.0112, 0.2483, 0.3800

Protanopia

43.1834, 0.3386, 0.3573

Deuteranopia

43.1973, 0.3331, 0.3265



Tritanopia

43.8730, 0.2324, 0.3055

Trichromacy



Original Color

44.0112, 0.2483, 0.3800



Protanomaly

41.7389, 0.2947, 0.3663



Deuteranomaly

41.4741, 0.2905, 0.3435



Tritanomaly

43.7359, 0.2375, 0.3303

Monochromacy



Original Color

44.0112, 0.2483, 0.3800



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.5922, 0.2780, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0112, 0.2483, 0.3800 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(57, 198, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 198, 166) }
```

Border

The CSS property to change the border of an element to Yxy 44.0112, 0.2483, 0.3800 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, 166) }
```

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

```
.border{ border-color:rgb(57, 198, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 198, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 198, 166);  
box-shadow:4px 4px 4px 4px rgb(57, 198,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0112, 0.2483, 0.3800 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, 166) }
```

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

```
.background{ background-color: rgb(57, 198,  
166) }
```

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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