

Converting Colors

$Yxy(44.4561, 0.2455, 0.3861)$

Have a look what the booklet for
Yxy(44.4561, 0.2455, 0.3861)
contains.

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Color

Yxy(44.4400, 0.2457, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	28C8A4
RGB	40, 200, 164
RGB Percent	16%, 78%, 64%
CMY	0.8435, 0.2157, 0.3568
CMYK	0.80, 0.00, 0.18, 0.22
HSL	167°, 67%, 47%
HSV	167°, 80%, 78%
XYZ	28.2288, 44.4400, 42.2226
YIQ	148.0560, -83.8040, -45.1160

Conversions

Conversions Part 2

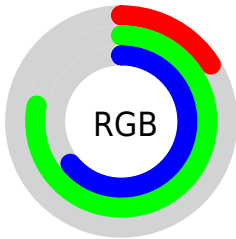
Format	Color
RYB	40, 130, 200
Decimal	2672804
CIELab	72.52, -47.96, 6.78
CIElCh	73, 48.439, 171.956
Yxy	44.4400, 0.2457, 0.3868
Android (android.graphics.Color)	4280862884 (0xFF28C8A4)
YUV	148.0560, 7.8604, -94.7651
Hunter-Lab	66.6633, -41.0744, 9.1118

Details

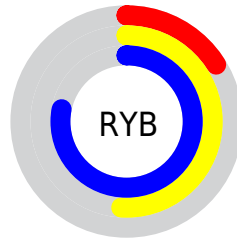
The Yxy color **44.4400, 0.2457, 0.3868** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **14.3116, 0.5346, 0.2957**, and the grayscale version is **29.6216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1452, 0.2574, 0.3726**, and **21.4207, 0.2451, 0.4023** is the 20% darker color. If you saturate the color by 10%, you get **43.9806, 0.2448, 0.3951**, and if you desaturate by 10%, it is **45.1156, 0.2486, 0.3785**.

Distribution



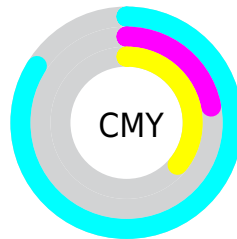
- Red (16%)
- Green (78%)
- Blue (64%)



- Red (16%)
- Yellow (51%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (18%)
- Black (22%)




- Cyan (84%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4400, 0.2457, 0.3868 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 44.4400, 0.2457, 0.3868 by changing the saturation by 10% instead.


 44.4400, 0.2457,
0.3868

 44.4400, 0.2457,
0.3868


364.5008, 0.2796,
0.3569

 31.0166, 0.2371,
0.3946


 81.8794, 0.2581,
0.3757

 20.6115, 0.2261,
0.4048


 106.6642, 0.2628,
0.3716


 12.8403, 0.2114,
0.4186


 136.0049, 0.2667,
0.3681

 7.3187, 0.1908,
0.4386

 170.2859, 0.2700,
0.3652

 3.6622, 0.1605,
0.4695

 209.8916, 0.2729,
0.3627

 1.4864, 0.0549,
0.5566

255.2064, 0.2754,

 0.2792, 0.0000,

0.3605

1.0000

306.6146, 0.2777,
0.3586

■ 0.0000, 0.0000,
0.0000

■ 44.4400, 0.2457,
0.3868

■ 44.4400, 0.2457,
0.3868

■ 43.9806, 0.2448,
0.3951

■ 45.1156, 0.2486,
0.3785

■ 43.6797, 0.2454,
0.4032

■ 46.0304, 0.2534,
0.3703

■ 47.2100, 0.2601,
0.3624

■ 48.6753, 0.2684,
0.3547

■ 50.4452, 0.2781,
0.3475

■ 52.5368, 0.2889,
0.3408

■ 54.9660, 0.3005,
0.3346

■ 57.7476, 0.3127,
0.3290

■ 60.8956, 0.3251,
0.3240

Harmonies

Analogous

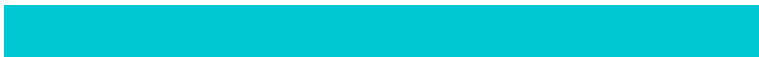
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4400, 0.3067, 0.4425



44.4400, 0.2457, 0.3868



44.4400, 0.2055, 0.3148

Triad

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



44.4400, 0.2457, 0.3868



44.4400, 0.2453, 0.2245



44.4400, 0.4495, 0.3772

Complementary

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



44.4400, 0.2457, 0.3868



14.3116, 0.5346, 0.2957

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.



44.4400, 0.4320, 0.3254



44.4400, 0.2457, 0.3868



44.4400, 0.3066, 0.2424

Square

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



44.4400, 0.2457, 0.3868



44.4400, 0.2060, 0.2287



44.4400, 0.3770, 0.2781



44.4400, 0.4258, 0.4250

Rectangle

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



44.4400, 0.2457, 0.3868



44.4400, 0.1936, 0.2743



44.4400, 0.3770, 0.2781



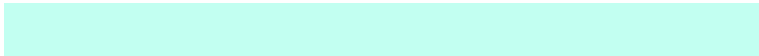
44.4400, 0.4484, 0.3599

Sweetspot

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



44.4417, 0.2457, 0.3868



89.3285, 0.2842, 0.3436



43.0526, 0.3165, 0.5649



18.8448, 0.2803, 0.3461



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.



44.4417, 0.2457, 0.3868



75.7551, 0.2452, 0.4011



28.8394, 0.2104, 0.2593



12.0252, 0.3013, 0.3342



27.7853, 0.2450, 0.4021



1.3260, 0.2403, 0.3850

Inverse Universe

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



14.3116, 0.5346, 0.2957



21.8656, 0.5942, 0.3071



18.5580, 0.5457, 0.3714



10.6753, 0.3255, 0.3238



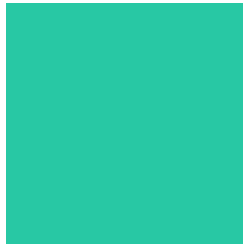
7.9392, 0.5985, 0.3071



0.3873, 0.5385, 0.2740

Previews

White Background



This preview shows how the Yxy color 44.4400, 0.2457, 0.3868 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 44.4400, 0.2457, 0.3868 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

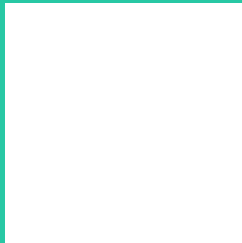
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4400, 0.2457, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 44.4400, 0.2457, 0.3868.

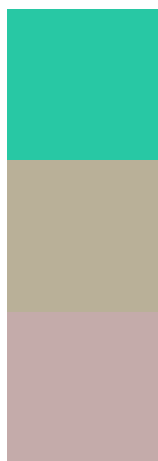


This preview shows how white text looks on a background with the Yxy color 44.4400, 0.2457, 0.3868.

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

44.4400, 0.2457, 0.3868

Protanopia

43.6320, 0.3411, 0.3612

Deuteranopia

43.7639, 0.3365, 0.3304



Tritanopia

44.4522, 0.2296, 0.3069

Trichromacy



Original Color

44.4400, 0.2457, 0.3868



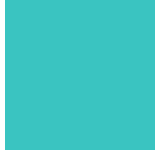
Protanomaly

42.0038, 0.2916, 0.3727



Deuteranomaly

41.7720, 0.2882, 0.3495



Tritanomaly

44.2297, 0.2345, 0.3333

Monochromacy



Original Color

44.4400, 0.2457, 0.3868



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.2217, 0.2738, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4400, 0.2457, 0.3868 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(40, 200, 164)` looks like.

```
.text, #text, p{  
    color:rgb(40, 200, 164)  
}
```

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(40, 200, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 200, 164) }
```

Border

The CSS property to change the border of an element to Yxy 44.4400, 0.2457, 0.3868 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(40, 200, 164) }
```

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

```
.border{ border-color:rgb(40, 200, 164) }
```

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

Here you see how a box with a 4 pixel rgb(40, 200, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 200, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 200, 164);  
box-shadow:4px 4px 4px 4px rgb(40, 200,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4400, 0.2457, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 200, 164) }
```

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

```
.background{ background-color: rgb(40, 200,  
164) }
```

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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