

Converting Colors

$Y_{xy}(45.0542, 0.2474, 0.3925)$

Have a look what the booklet for
Yxy(45.0542, 0.2474, 0.3925)
contains.

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Color

Yxy(44.8330, 0.2471, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	28C9A2
RGB	40, 201, 162
RGB Percent	16%, 79%, 64%
CMY	0.8431, 0.2117, 0.3647
CMYK	0.80, 0.00, 0.19, 0.21
HSL	165°, 67%, 47%
HSV	165°, 80%, 79%
XYZ	28.2824, 44.8330, 41.3420
YIQ	148.4150, -83.4370, -46.2610

Conversions

Conversions Part 2

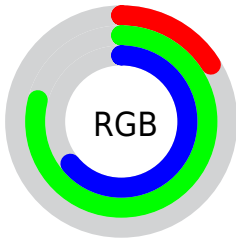
Format	Color
RYB	40, 132, 201
Decimal	2673058
CIELab	72.78, -48.87, 8.25
CIELCh	73, 49.564, 170.421
Yxy	44.8330, 0.2471, 0.3917
Android (android.graphics.Color)	4280863138 (0xFF28C9A2)
YUV	148.4150, 6.6974, -95.0800
Hunter-Lab	66.9574, -41.7781, 10.2623

Details

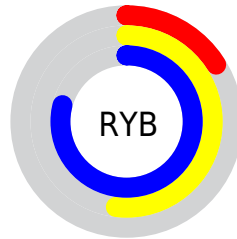
The Yxy color **44.8330, 0.2471, 0.3917** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **14.5001, 0.5297, 0.2925**, and the grayscale version is **29.7945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1072, 0.2586, 0.3752**, and **21.6836, 0.2469, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **44.3615, 0.2463, 0.4007**, and if you desaturate by 10%, it is **45.5240, 0.2498, 0.3827**.

Distribution



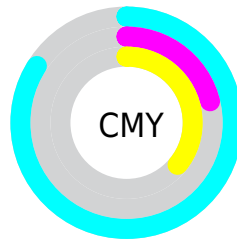
- Red (16%)
- Green (79%)
- Blue (64%)



- Red (16%)
- Yellow (52%)
- Blue (79%)



- Cyan (80%)
- Magenta (0%)
- Yellow (19%)
- Black (21%)




- Cyan (84%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8330, 0.2471, 0.3917 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 44.8330, 0.2471, 0.3917 by changing the saturation by 10% instead.

 44.8330, 0.2471,
0.3917


 44.8330, 0.2471,
0.3917


366.0968, 0.2804,
0.3591

 31.3259, 0.2387,
0.4002


 82.4698, 0.2593,
0.3796

 20.8471, 0.2278,
0.4114


 107.3682, 0.2639,
0.3751


 13.0123, 0.2132,
0.4267

 136.8326, 0.2677,
0.3714

 7.4370, 0.1929,
0.4487

 171.2472, 0.2710,
0.3682

 3.7369, 0.1627,
0.4830

 210.9966, 0.2738,
0.3654

 1.5275, 0.0575,
0.5778

256.4650, 0.2763,

 0.3080, 0.0000,

0.3631

1.0000

308.0370, 0.2785,
0.3610

■ 0.0000, 0.0000,
0.0000

■ 44.8330, 0.2471,
0.3917

■ 44.8330, 0.2471,
0.3917

■ 44.3615, 0.2463,
0.4007

■ 45.5240, 0.2498,
0.3827

■ 44.0522, 0.2471,
0.4095

■ 46.4577, 0.2545,
0.3738

■ 47.6602, 0.2610,
0.3651

■ 49.1526, 0.2692,
0.3569

■ 50.9540, 0.2787,
0.3491

■ 53.0819, 0.2893,
0.3418

■ 55.5522, 0.3007,
0.3351

■ 58.3801, 0.3126,
0.3291

■ 61.5796, 0.3248,
0.3236

Harmonies

Analogous

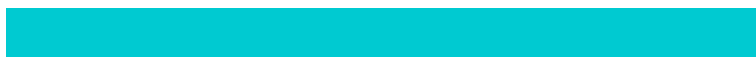
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8330, 0.3098, 0.4469



44.8330, 0.2471, 0.3917



44.8330, 0.2049, 0.3179

Triad

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



44.8330, 0.2471, 0.3917



44.8330, 0.2414, 0.2224



44.8330, 0.4523, 0.3751

Complementary

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



44.8330, 0.2471, 0.3917



14.5001, 0.5297, 0.2925

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.



44.8330, 0.4323, 0.3226



44.8330, 0.2471, 0.3917



44.8330, 0.3028, 0.2395

Square

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



44.8330, 0.2471, 0.3917



44.8330, 0.2028, 0.2278



44.8330, 0.3747, 0.2749



44.8330, 0.4299, 0.4243

Rectangle

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



44.8330, 0.2471, 0.3917



44.8330, 0.1920, 0.2759



44.8330, 0.3747, 0.2749



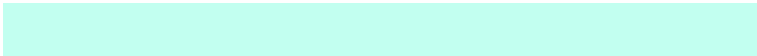
44.8330, 0.4505, 0.3575

Sweetspot

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



44.8347, 0.2471, 0.3917



89.2644, 0.2847, 0.3448



43.6448, 0.3179, 0.5640



18.8292, 0.2809, 0.3474



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.



44.8347, 0.2471, 0.3917



75.5572, 0.2469, 0.4071



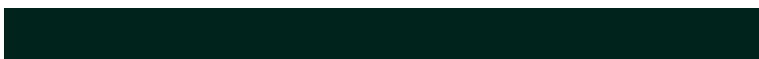
30.0716, 0.2116, 0.2638



12.0219, 0.3015, 0.3347



27.7121, 0.2467, 0.4082



1.3230, 0.2416, 0.3897

Inverse Universe

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



14.5001, 0.5297, 0.2925



21.9175, 0.5889, 0.3041



18.3452, 0.5493, 0.3683



10.6784, 0.3252, 0.3234



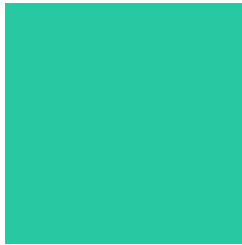
7.9578, 0.5932, 0.3042



0.3886, 0.5323, 0.2706

Previews

White Background



This preview shows how the Yxy color 44.8330, 0.2471, 0.3917 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 44.8330, 0.2471, 0.3917 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

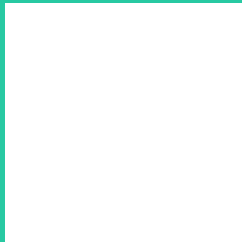
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8330, 0.2471, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 44.8330, 0.2471, 0.3917.

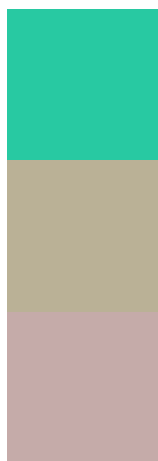


This preview shows how white text looks on a background with the Yxy color 44.8330, 0.2471, 0.3917.

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

44.8330, 0.2471, 0.3917

Protanopia

44.0854, 0.3435, 0.3651

Deuteranopia

43.8607, 0.3384, 0.3316



Tritanopia

44.5388, 0.2294, 0.3055

Trichromacy



Original Color

44.8330, 0.2471, 0.3917



Protanomaly

42.4375, 0.2938, 0.3771



Deuteranomaly

41.7845, 0.2904, 0.3525



Tritanomaly

44.7126, 0.2351, 0.3348

Monochromacy



Original Color

44.8330, 0.2471, 0.3917



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.1886, 0.2746, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8330, 0.2471, 0.3917 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, 201, 162)` looks like.

```
.text, #text, p{  
    color:rgb(40, 201, 162)  
}
```

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, 201, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 201, 162) }
```

Border

The CSS property to change the border of an element to Yxy 44.8330, 0.2471, 0.3917 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, 201, 162) }
```

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

```
.border{ border-color:rgb(40, 201, 162) }
```

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

Here you see how a box with a 4 pixel rgb(40, 201, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 201, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 201, 162);  
box-shadow:4px 4px 4px 4px rgb(40, 201,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8330, 0.2471, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 201, 162) }
```

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

```
.background{ background-color: rgb(40, 201,  
162) }
```

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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