

Converting Colors

$Yxy(44.6680, 0.2576, 0.4284)$

Have a look what the booklet for
Yxy(44.6680, 0.2576, 0.4284)
contains.

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Color

Yxy(44.6254, 0.2574, 0.4280)

Conversions

Conversions Part 1

Format	Color
Hex	27CA8E
RGB	39, 202, 142
RGB Percent	15%, 79%, 56%
CMY	0.8475, 0.2078, 0.4430
CMYK	0.81, 0.00, 0.30, 0.21
HSL	158°, 68%, 47%
HSV	158°, 81%, 79%
XYZ	26.8378, 44.6254, 32.8018
YIQ	146.4230, -77.8880, -53.2160

Conversions

Conversions Part 2

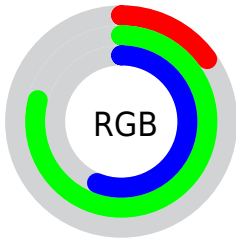
Format	Color
RYB	39, 139, 202
Decimal	2607758
CIELab	72.64, -54.06, 18.76
CIELCh	73, 57.227, 160.861
Yxy	44.6254, 0.2574, 0.4280
Android (android.graphics.Color)	4280797838 (0xFF27CA8E)
YUV	146.4230, -2.1805, -94.2100
Hunter-Lab	66.8022, -45.1916, 17.6485

Details

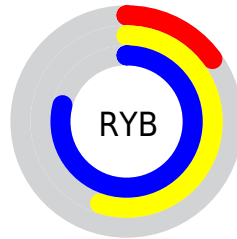
The Yxy color **44.6254, 0.2574, 0.4280** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **14.8984, 0.4930, 0.2688**, and the grayscale version is **28.9472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0162, 0.2677, 0.4026**, and **21.6228, 0.2601, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **44.1177, 0.2579, 0.4421**, and if you desaturate by 10%, it is **45.3611, 0.2590, 0.4137**.

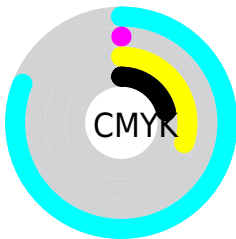
Distribution



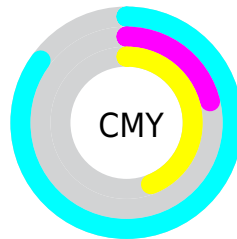
- Red (15%)
- Green (79%)
- Blue (56%)



- Red (15%)
- Yellow (55%)
- Blue (79%)



- Cyan (81%)
- Magenta (0%)
- Yellow (30%)
- Black (21%)




- Cyan (85%)
- Magenta (21%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6254, 0.2574, 0.4280 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 44.6254, 0.2574, 0.4280 by changing the saturation by 10% instead.

 44.6254, 0.2574,
0.4280


 44.6254, 0.2574,
0.4280


365.2543, 0.2866,
0.3751


 31.1625, 0.2496,
0.4423


 82.1580, 0.2684,
0.4080

 20.7226, 0.2394,
0.4613


 106.9965, 0.2724,
0.4007


 12.9214, 0.2252,
0.4878


 136.3955, 0.2757,
0.3946

 7.3744, 0.2047,
0.5269

 170.7397, 0.2786,
0.3895

 3.6974, 0.1726,
0.5894

 210.4132, 0.2810,
0.3852

 1.5057, 0.0062,
0.8709

255.8006, 0.2831,

 0.2928, 0.0000,

0.3814


1.0000


307.2861, 0.2850,
0.3781


 0.0000, 0.0000,
0.0000


 44.6254, 0.2574,
0.4280


 44.6254, 0.2574,
0.4280


 44.1177, 0.2579,
0.4421

 45.3611, 0.2590,
0.4137

 43.7960, 0.2597,
0.4550

 46.3489, 0.2625,
0.3996

 47.6156, 0.2679,
0.3859

 49.1830, 0.2748,
0.3729

 51.0707, 0.2829,
0.3606

■ 53.2966, 0.2920,
0.3493

■ 55.8772, 0.3018,
0.3390

■ 58.8281, 0.3119,
0.3297

■ 62.1637, 0.3222,
0.3213

Harmonies

Analogous

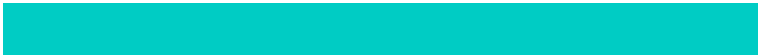
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6254, 0.3324, 0.4765



44.6254, 0.2574, 0.4280



44.6254, 0.2016, 0.3418

Triad

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



44.6254, 0.2574, 0.4280



44.6254, 0.2144, 0.2075



44.6254, 0.4717, 0.3597

Complementary

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



44.6254, 0.2574, 0.4280



14.8984, 0.4930, 0.2688

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.



44.6254, 0.4336, 0.3022



44.6254, 0.2574, 0.4280



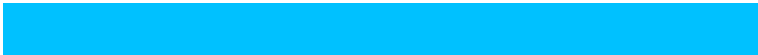
44.6254, 0.2760, 0.2194

Square

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



44.6254, 0.2574, 0.4280



44.6254, 0.1809, 0.2213



44.6254, 0.3575, 0.2529



44.6254, 0.4589, 0.4182

Rectangle

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



44.6254, 0.2574, 0.4280



44.6254, 0.1811, 0.2879



44.6254, 0.3575, 0.2529



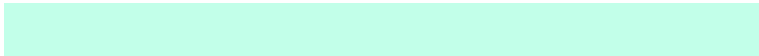
44.6254, 0.4646, 0.3401

Sweetspot

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



44.6272, 0.2574, 0.4280



88.8175, 0.2887, 0.3532



45.1804, 0.3309, 0.5558



18.7211, 0.2854, 0.3573



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.



44.6272, 0.2574, 0.4280



74.2519, 0.2594, 0.4526



38.5502, 0.2207, 0.2993



12.6543, 0.3032, 0.3377



28.1977, 0.2592, 0.4531



1.4690, 0.2516, 0.4259

Inverse Universe

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



14.8984, 0.4930, 0.2688



22.3191, 0.5473, 0.2804



15.7200, 0.5764, 0.3454



11.2807, 0.3233, 0.3205



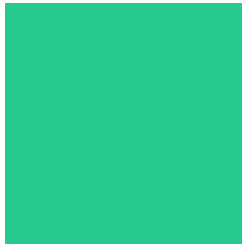
8.4163, 0.5488, 0.2797



0.4487, 0.4950, 0.2501

Previews

White Background



This preview shows how the Yxy color 44.6254, 0.2574, 0.4280 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 44.6254, 0.2574, 0.4280 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 44.6254, 0.2574, 0.4280

Background



This preview shows how black text looks on a background with the Yxy color 44.6254, 0.2574, 0.4280.

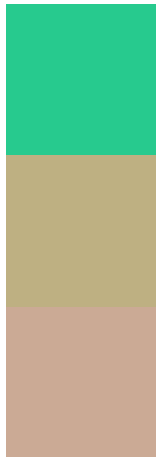


This preview shows how white text looks on a background with the Yxy color 44.6254, 0.2574, 0.4280.

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

44.6254, 0.2574, 0.4280

Protanopia

43.6095, 0.3649, 0.3901

Deuteranopia

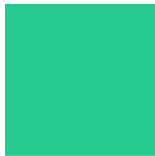
43.6159, 0.3625, 0.3559



Tritanopia

44.2799, 0.2315, 0.3055

Trichromacy



Original Color

44.6254, 0.2574, 0.4280



Protanomaly

41.5701, 0.3099, 0.4071



Deuteranomaly

41.3709, 0.3077, 0.3829



Tritanomaly

44.0394, 0.2398, 0.3457

Monochromacy



Original Color

44.6254, 0.2574, 0.4280



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.4426, 0.2788, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6254, 0.2574, 0.4280 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(39, 202, 142)` looks like.

```
.text, #text, p{  
    color:rgb(39, 202, 142)  
}
```

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(39, 202, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 202, 142) }
```

Border

The CSS property to change the border of an element to Yxy 44.6254, 0.2574, 0.4280 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(39, 202, 142) }
```

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

```
.border{ border-color:rgb(39, 202, 142) }
```

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

Here you see how a box with a 4 pixel rgb(39, 202, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 202, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 202, 142);  
box-shadow:4px 4px 4px 4px rgb(39, 202,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6254, 0.2574, 0.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 202, 142) }
```

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

```
.background{ background-color: rgb(39, 202,  
142) }
```

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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