

Converting Colors

$Yxy(44.7637, 0.2599, 0.4555)$

Have a look what the booklet for
Yxy(44.7637, 0.2599, 0.4555)
contains.

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Color

$\text{Yxy}(44.7707, 0.2597, 0.4550)$

Conversions

Conversions Part 1

Format	Color
Hex	00CC81
RGB	0, 204, 129
RGB Percent	0%, 80%, 51%
CMY	1.0000, 0.2000, 0.4940
CMYK	1.00, 0.00, 0.37, 0.20
HSL	158°, 100%, 40%
HSV	158°, 100%, 80%
XYZ	25.5537, 44.7707, 28.0727
YIQ	134.4540, -97.5090, -66.5730

Conversions

Conversions Part 2

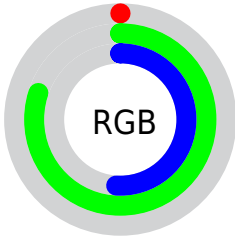
Format	Color
RYB	0, 125, 204
Decimal	52353
CIELab	72.74, -59.80, 25.71
CIELCh	73, 65.088, 156.736
Yxy	44.7707, 0.2597, 0.4550
Android (android.graphics.Color)	4278242433 (0xFF00CC81)
YUV	134.4540, -2.6888, -117.9162
Hunter-Lab	66.9109, -48.9237, 21.9623

Details

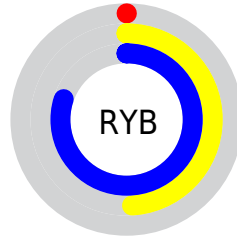
The Yxy color **44.7707, 0.2597, 0.4550** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.3460, 0.5525, 0.2818**, and the grayscale version is **24.0555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6641, 0.2696, 0.4224**, and **21.7443, 0.2684, 0.4864** is the 20% darker color. If you saturate the color by 10%, you get **44.7744, 0.2597, 0.4550**, and if you desaturate by 10%, it is **45.1342, 0.2578, 0.4411**.

Distribution



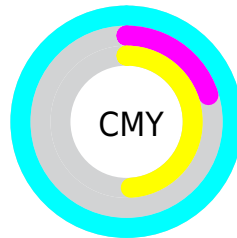
- Red (0%)
- Green (80%)
- Blue (51%)



- Red (0%)
- Yellow (49%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7707, 0.2597, 0.4550 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 44.7707, 0.2597, 0.4550 by changing the saturation by 10% instead.


 44.7707, 0.2597,
0.4550

 44.7707, 0.2597,
0.4550


365.8441, 0.2886,
0.3869


 31.2769, 0.2517,
0.4736


 82.3762, 0.2708,
0.4291


 20.8098, 0.2409,
0.4985


 107.2567, 0.2748,
0.4197


 12.9850, 0.2258,
0.5331


 136.7015, 0.2781,
0.4119

 7.4182, 0.2033,
0.5841

 171.0950, 0.2809,
0.4053

 3.7250, 0.1671,
0.6646

 210.8216, 0.2832,
0.3997

 1.5210, 0.0000,
1.0000

256.2657, 0.2853,

 0.3034, 0.0000,

0.3949

1.0000

307.8118, 0.2871,
0.3907

■ 0.0000, 0.0000,
0.0000

■ 44.7707, 0.2597,
0.4550

■ 44.7707, 0.2597,
0.4550

■ 44.7744, 0.2597,
0.4550

■ 45.1342, 0.2578,
0.4411

■ 45.6704, 0.2574,
0.4270

■ 46.4386, 0.2591,
0.4127

■ 47.4686, 0.2628,
0.3986

■ 48.7859, 0.2683,
0.3849

■ 50.4124, 0.2753,
0.3719

■ 52.3682, 0.2836,
0.3597

■ 54.6715, 0.2928,
0.3485

■ 57.3391, 0.3026,
0.3382

Harmonies

Analogous

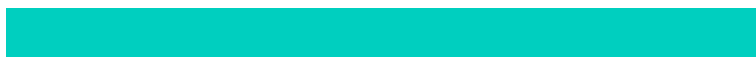
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7707, 0.3443, 0.4999



44.7707, 0.2597, 0.4550



44.7707, 0.1944, 0.3564

Triad

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



44.7707, 0.2597, 0.4550



44.7707, 0.1961, 0.1945



44.7707, 0.4901, 0.3514

Complementary

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



44.7707, 0.2597, 0.4550



13.3460, 0.5525, 0.2818

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.



44.7707, 0.4398, 0.2897



44.7707, 0.2597, 0.4550



44.7707, 0.2596, 0.2042

Square

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



44.7707, 0.2597, 0.4550



44.7707, 0.1641, 0.2127



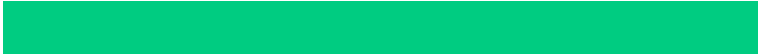
44.7707, 0.3495, 0.2378



44.7707, 0.4811, 0.4164

Rectangle

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



44.7707, 0.2597, 0.4550



44.7707, 0.1694, 0.2923



44.7707, 0.3495, 0.2378



44.7707, 0.4797, 0.3302

Sweetspot

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



44.7744, 0.2597, 0.4550



86.5839, 0.2832, 0.3602



44.8170, 0.3218, 0.5827



18.2238, 0.2796, 0.3653



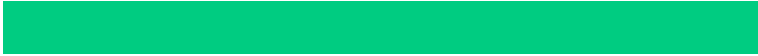
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.7744, 0.2597, 0.4550



74.1031, 0.2602, 0.4567



37.0855, 0.2143, 0.2916



12.6544, 0.3032, 0.3377



28.1981, 0.2592, 0.4530



1.4690, 0.2516, 0.4259

Inverse Universe

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



13.3460, 0.5525, 0.2818



22.0631, 0.5558, 0.2835



13.4833, 0.6309, 0.3372



11.2807, 0.3233, 0.3205



8.4160, 0.5489, 0.2797



0.4487, 0.4950, 0.2501

Previews

White Background



This preview shows how the Yxy color 44.7707, 0.2597, 0.4550 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 44.7707, 0.2597, 0.4550 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 44.7707, 0.2597, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 44.7707, 0.2597, 0.4550.

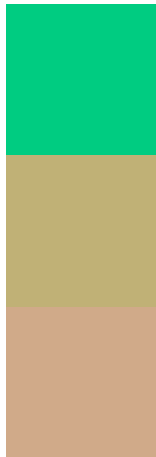


This preview shows how white text looks on a background with the Yxy color 44.7707, 0.2597, 0.4550.

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

44.7707, 0.2597, 0.4550

Protanopia

43.9588, 0.3766, 0.4064

Deuteranopia

43.9655, 0.3784, 0.3705



Tritanopia

44.6144, 0.2301, 0.3055

Trichromacy



Original Color

44.7707, 0.2597, 0.4550



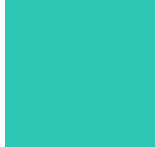
Protanomaly

41.0834, 0.3079, 0.4316



Deuteranomaly

40.0827, 0.3076, 0.4036



Tritanomaly

44.3052, 0.2379, 0.3554

Monochromacy



Original Color

44.7707, 0.2597, 0.4550



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.3935, 0.2710, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7707, 0.2597, 0.4550 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(0, 204, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 129)  
}
```

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(0, 204, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 129) }
```

Border

The CSS property to change the border of an element to Yxy 44.7707, 0.2597, 0.4550 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(0, 204, 129) }
```

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

```
.border{ border-color:rgb(0, 204, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7707, 0.2597, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 129) }
```

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

```
.background{ background-color: rgb(0, 204,  
129) }
```

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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