

Converting Colors

$Yxy(44.6481, 0.2601, 0.4489)$

Have a look what the booklet for
Yxy(44.6481, 0.2601, 0.4489)
contains.

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Color

Yxy(44.5372, 0.2598, 0.4479)

Conversions

Conversions Part 1

Format	Color
Hex	15CB84
RGB	21, 203, 132
RGB Percent	8%, 80%, 52%
CMY	0.9168, 0.2039, 0.4823
CMYK	0.90, 0.00, 0.35, 0.20
HSL	157°, 81%, 44%
HSV	157°, 90%, 80%
XYZ	25.8334, 44.5372, 29.0650
YIQ	140.4880, -85.6810, -60.6650

Conversions

Conversions Part 2

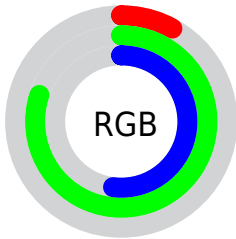
Format	Color
R _Y B	21, 134, 203
Decimal	1428356
CIE Lab	72.59, -57.96, 23.96
CIE LCh	73, 62.714, 157.540
Yxy	44.5372, 0.2598, 0.4479
Android (android.graphics.Color)	4279618436 (0xFF15CB84)
YUV	140.4880, -4.1846, -104.7910
Hunter-Lab	66.7362, -47.6916, 20.8933

Details

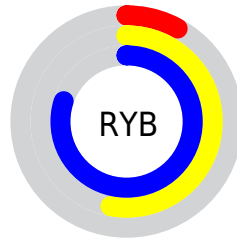
The Yxy color **44.5372, 0.2598, 0.4479** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.0172, 0.5130, 0.2679**, and the grayscale version is **26.4935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0870, 0.2700, 0.4179**, and **21.4766, 0.2661, 0.4780** is the 20% darker color. If you saturate the color by 10%, you get **44.1742, 0.2619, 0.4626**, and if you desaturate by 10%, it is **45.0847, 0.2594, 0.4328**.

Distribution



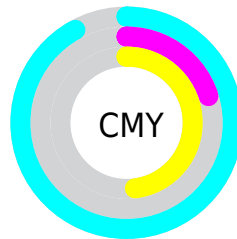
- Red (8%)
- Green (80%)
- Blue (52%)



- Red (8%)
- Yellow (53%)
- Blue (80%)



- Cyan (90%)
- Magenta (0%)
- Yellow (35%)
- Black (20%)




- Cyan (92%)
- Magenta (20%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5372, 0.2598, 0.4479 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 44.5372, 0.2598, 0.4479 by changing the saturation by 10% instead.

 44.5372, 0.2598,
0.4479

 44.5372, 0.2598,
0.4479


364.8960, 0.2884,
0.3838

 31.0931, 0.2519,
0.4654


 82.0255, 0.2707,
0.4235

 20.6697, 0.2414,
0.4888


 106.8384, 0.2747,
0.4147


 12.8828, 0.2267,
0.5214


 136.2097, 0.2780,
0.4073

 7.3479, 0.2048,
0.5695

 170.5239, 0.2807,
0.4012

 3.6806, 0.1698,
0.6459

 210.1651, 0.2831,
0.3959

 1.4965, 0.0000,
1.0000

255.5180, 0.2851,

 0.2863, 0.0000,

0.3913

1.0000

306.9668, 0.2869,
0.3873

■ 0.0000, 0.0000,
0.0000

■ 44.5372, 0.2598,
0.4479

■ 44.5372, 0.2598,
0.4479

■ 44.1742, 0.2619,
0.4626

■ 45.0847, 0.2594,
0.4328

■ 44.1592, 0.2620,
0.4633

■ 45.8631, 0.2610,
0.4176

■ 46.9034, 0.2646,
0.4025

■ 48.2305, 0.2699,
0.3880

■ 49.8662, 0.2768,
0.3741

■ 51.8303, 0.2849,
0.3612

■ 54.1406, 0.2938,
0.3492

■ 56.8139, 0.3033,
0.3384

■ 59.8657, 0.3132,
0.3286

Harmonies

Analogous

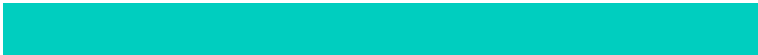
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.5372, 0.3418, 0.4934



44.5372, 0.2598, 0.4479



44.5372, 0.1969, 0.3531

Triad

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



44.5372, 0.2598, 0.4479



44.5372, 0.2008, 0.1982



44.5372, 0.4847, 0.3532

Complementary

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



44.5372, 0.2598, 0.4479



14.0172, 0.5130, 0.2679

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.



44.5372, 0.4374, 0.2927



44.5372, 0.2598, 0.4479



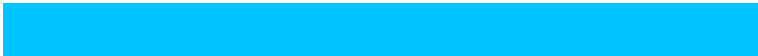
44.5372, 0.2635, 0.2083

Square

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



44.5372, 0.2598, 0.4479



44.5372, 0.1686, 0.2155



44.5372, 0.3510, 0.2417



44.5372, 0.4752, 0.4165

Rectangle

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



44.5372, 0.2598, 0.4479



44.5372, 0.1730, 0.2918



44.5372, 0.3510, 0.2417



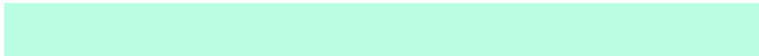
44.5372, 0.4751, 0.3324

Sweetspot

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



44.5390, 0.2598, 0.4479



87.5854, 0.2867, 0.3585



45.1421, 0.3291, 0.5692



18.4802, 0.2838, 0.3627



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.



44.5390, 0.2598, 0.4479



73.9003, 0.2626, 0.4652



39.0964, 0.2184, 0.3006



12.6499, 0.3035, 0.3382



28.1215, 0.2615, 0.4613



1.4654, 0.2534, 0.4324

Inverse Universe

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



14.0172, 0.5130, 0.2679



22.1722, 0.5465, 0.2784



14.2285, 0.6093, 0.3399



11.2850, 0.3230, 0.3200



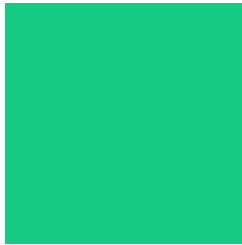
8.4586, 0.5397, 0.2747



0.4512, 0.4874, 0.2458

Previews

White Background



This preview shows how the Yxy color 44.5372, 0.2598, 0.4479 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 44.5372, 0.2598, 0.4479 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 44.5372, 0.2598, 0.4479

Background



This preview shows how black text looks on a background with the Yxy color 44.5372, 0.2598, 0.4479.



This preview shows how white text looks on a background with the Yxy color 44.5372, 0.2598, 0.4479.

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

44.5372, 0.2598, 0.4479

Protanopia

43.5075, 0.3735, 0.4016

Deuteranopia

43.3912, 0.3741, 0.3658



Tritanopia

44.6035, 0.2309, 0.3069

Trichromacy



Original Color

44.5372, 0.2598, 0.4479



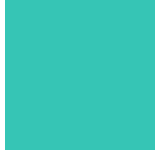
Protanomaly

41.2656, 0.3114, 0.4239



Deuteranomaly

40.3429, 0.3112, 0.3962



Tritanomaly

44.0530, 0.2395, 0.3538

Monochromacy



Original Color

44.5372, 0.2598, 0.4479



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.9273, 0.2762, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5372, 0.2598, 0.4479 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(21, 203, 132)` looks like.

```
.text, #text, p{  
    color:rgb(21, 203, 132)  
}
```

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(21, 203, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 203, 132) }
```

Border

The CSS property to change the border of an element to Yxy 44.5372, 0.2598, 0.4479 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(21, 203, 132) }
```

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

```
.border{ border-color:rgb(21, 203, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 203, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 203, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 203, 132);  
box-shadow:4px 4px 4px 4px rgb(21, 203,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5372, 0.2598, 0.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 203, 132) }
```

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

```
.background{ background-color: rgb(21, 203,  
132) }
```

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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