

Converting Colors

$Yxy(41.4447, 0.2760, 0.4873)$

Have a look what the booklet for
Yxy(41.4447, 0.2760, 0.4873)
contains.

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Color

Yxy(41.4447, 0.2760, 0.4873)

Conversions

Conversions Part 1

Format	Color
Hex	2AC569
RGB	42, 197, 105
RGB Percent	16%, 77%, 41%
CMY	0.8350, 0.2275, 0.5882
CMYK	0.79, 0.00, 0.47, 0.23
HSL	144°, 65%, 47%
HSV	144°, 79%, 77%
XYZ	23.4737, 41.4447, 20.1313
YIQ	140.1670, -62.8480, -61.4720

Conversions

Conversions Part 2

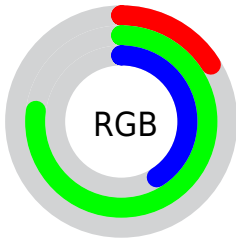
Format	Color
RYB	42, 152, 197
Decimal	2803049
CIELab	70.49, -59.08, 35.18
CIELCh	70, 68.763, 149.232
Yxy	41.4447, 0.2760, 0.4873
Android (android.graphics.Color)	4280993129 (0xFF2AC569)
YUV	140.1670, -17.3373, -86.0925
Hunter-Lab	64.3776, -47.5751, 26.5239

Details

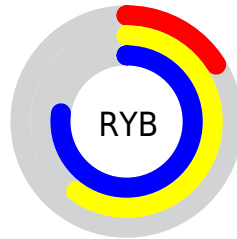
The Yxy color **41.4447, 0.2760, 0.4873** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **15.2542, 0.4175, 0.2261**, and the grayscale version is **26.3904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4993, 0.2851, 0.4533**, and **19.6218, 0.2813, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **40.9032, 0.2775, 0.5091**, and if you desaturate by 10%, it is **42.2268, 0.2764, 0.4644**.

Distribution



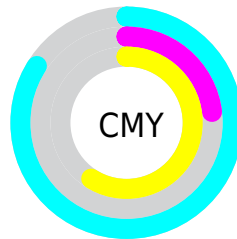
- Red (16%)
- Green (77%)
- Blue (41%)



- Red (16%)
- Yellow (60%)
- Blue (77%)



- Cyan (79%)
- Magenta (0%)
- Yellow (47%)
- Black (23%)



- Cyan (84%)
- Magenta (23%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4447, 0.2760, 0.4873 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 41.4447, 0.2760, 0.4873 by changing the saturation by 10% instead.


 41.4447, 0.2760,
0.4873


 41.4447, 0.2760,
0.4873

352.1758, 0.2984,
0.4002

 28.6667, 0.2689,
0.5116


 77.3585, 0.2852,
0.4537


 18.8289, 0.2587,
0.5441


 101.2631, 0.2884,
0.4417


 11.5467, 0.2433,
0.5894


 129.6454, 0.2909,
0.4318

 6.4358, 0.2184,
0.6555

 162.8898, 0.2930,
0.4234

 3.1118, 0.1860,
0.8114

 201.3806, 0.2947,
0.4163

 1.1904, 0.0000,
1.0000

245.5023, 0.2961,

 0.0538, 0.0000,

0.4102


1.0000


295.6392, 0.2974,
0.4048


 0.0000, 0.0000,
0.0000


 41.4447, 0.2760,
0.4873


 41.4447, 0.2760,
0.4873


 40.9032, 0.2775,
0.5091


 42.2268, 0.2764,
0.4644

 40.5531, 0.2806,
0.5290

 43.2720, 0.2786,
0.4412

 40.5120, 0.2810,
0.5315

 44.6056, 0.2824,
0.4185

 46.2486, 0.2874,
0.3969

 48.2200, 0.2933,
0.3768

■ 50.5369, 0.2998,
0.3584

■ 53.2156, 0.3067,
0.3419

■ 56.2711, 0.3137,
0.3271

■ 59.7176, 0.3206,
0.3141

Harmonies

Analogous

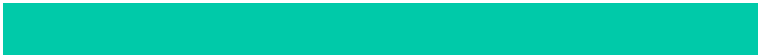
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4447, 0.3675, 0.5132



41.4447, 0.2760, 0.4873



41.4447, 0.1995, 0.3869

Triad

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



41.4447, 0.2760, 0.4873



41.4447, 0.1767, 0.1873



41.4447, 0.4968, 0.3340

Complementary

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



41.4447, 0.2760, 0.4873



15.2542, 0.4175, 0.2261

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.



41.4447, 0.4282, 0.2711



41.4447, 0.2760, 0.4873



41.4447, 0.2352, 0.1910

Square

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



41.4447, 0.2760, 0.4873



41.4447, 0.1512, 0.2141



41.4447, 0.3260, 0.2206



41.4447, 0.5012, 0.4024

Rectangle

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



41.4447, 0.2760, 0.4873



41.4447, 0.1673, 0.3125



41.4447, 0.3260, 0.2206



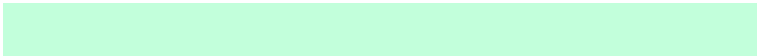
41.4447, 0.4804, 0.3122

Sweetspot

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



41.4464, 0.2760, 0.4873



88.0597, 0.2960, 0.3687



45.2533, 0.3576, 0.5326



18.5395, 0.2937, 0.3756



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.



41.4464, 0.2760, 0.4873



72.8093, 0.2795, 0.5228



43.7831, 0.2364, 0.3531



11.9581, 0.3062, 0.3430



26.6624, 0.2803, 0.5291



1.2768, 0.2685, 0.4865

Inverse Universe

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



15.2542, 0.4175, 0.2261



24.0655, 0.4489, 0.2272



13.8325, 0.5624, 0.3161



10.7409, 0.3199, 0.3154



8.6687, 0.4551, 0.2281



0.4246, 0.4198, 0.2087

Previews

White Background



This preview shows how the Yxy color 41.4447, 0.2760, 0.4873 looks on a white background.

Color Contrast Check

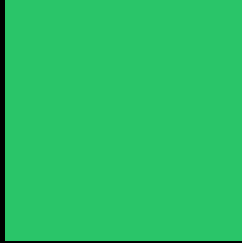
Large Text (above 18pt) WCAG AA × Fail

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 41.4447, 0.2760, 0.4873 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 41.4447, 0.2760, 0.4873

Background



This preview shows how black text looks on a background with the Yxy color 41.4447, 0.2760, 0.4873.



This preview shows how white text looks on a background with the Yxy color 41.4447, 0.2760, 0.4873.

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

41.4447, 0.2760, 0.4873

Protanopia

40.6617, 0.3937, 0.4279

Deuteranopia

40.3658, 0.4011, 0.3924



Tritanopia

41.1739, 0.2357, 0.3064

Trichromacy



Original Color

41.4447, 0.2760, 0.4873



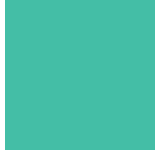
Protanomaly

38.6943, 0.3360, 0.4551



Deuteranomaly

37.8967, 0.3394, 0.4288



Tritanomaly

40.8090, 0.2494, 0.3677

Monochromacy



Original Color

41.4447, 0.2760, 0.4873



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.9651, 0.2896, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4447, 0.2760, 0.4873 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(42, 197, 105)` looks like.

```
.text, #text, p{  
    color:rgb(42, 197, 105)  
}
```

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(42, 197, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 197, 105) }
```

Border

The CSS property to change the border of an element to Yxy 41.4447, 0.2760, 0.4873 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(42, 197, 105) }
```

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

```
.border{ border-color:rgb(42, 197, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 197, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 197, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 197, 105);  
box-shadow:4px 4px 4px 4px rgb(42, 197,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4447, 0.2760, 0.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 197, 105) }
```

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

```
.background{ background-color: rgb(42, 197,  
105) }
```

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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