

Converting Colors

$Y_{xy}(46.7039, 0.2762, 0.4836)$

Have a look what the booklet for
Yxy(46.7039, 0.2762, 0.4836)
contains.

Yxy(46.4709, 0.2760, 0.4829)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.4709, 0.2760, 0.4829)

Conversions

Conversions Part 1

Format	Color
Hex	31CF71
RGB	49, 207, 113
RGB Percent	19%, 81%, 44%
CMY	0.8080, 0.1882, 0.5567
CMYK	0.76, 0.00, 0.45, 0.19
HSL	144°, 62%, 50%
HSV	144°, 76%, 81%
XYZ	26.5603, 46.4709, 23.2018
YIQ	149.0420, -63.9940, -62.7300

Conversions

Conversions Part 2

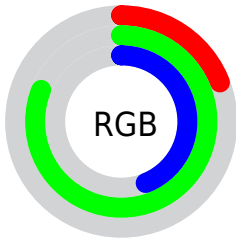
Format	Color
RYB	49, 161, 207
Decimal	3264369
CIELab	73.85, -60.39, 35.46
CIELCh	74, 70.033, 149.584
Yxy	46.4709, 0.2760, 0.4829
Android (android.graphics.Color)	4281454449 (0xFF31CF71)
YUV	149.0420, -17.7687, -87.7368
Hunter-Lab	68.1696, -49.7494, 27.5391

Details

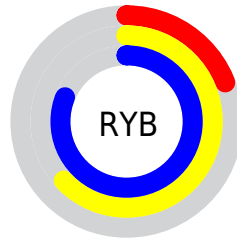
The Yxy color **46.4709, 0.2760, 0.4829** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **17.4415, 0.4134, 0.2269**, and the grayscale version is **30.1682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1951, 0.2840, 0.4419**, and **22.4921, 0.2791, 0.5247** is the 20% darker color. If you saturate the color by 10%, you get **45.8124, 0.2771, 0.5051**, and if you desaturate by 10%, it is **47.4069, 0.2768, 0.4598**.

Distribution



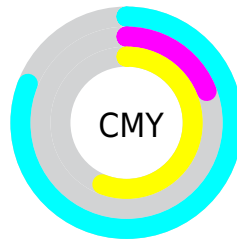
- Red (19%)
- Green (81%)
- Blue (44%)



- Red (19%)
- Yellow (63%)
- Blue (81%)



- Cyan (76%)
- Magenta (0%)
- Yellow (45%)
- Black (19%)



- Cyan (81%)
- Magenta (19%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4709, 0.2760, 0.4829 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 46.4709, 0.2760, 0.4829 by changing the saturation by 10% instead.


 46.4709, 0.2760,
0.4829

 46.4709, 0.2760,
0.4829

372.6986, 0.2979,
0.3997


 32.6176, 0.2693,
0.5055


 84.9233, 0.2849,
0.4513

 21.8336, 0.2599,
0.5353


 110.2912, 0.2879,
0.4398

 13.7347, 0.2461,
0.5764


 140.2660, 0.2904,
0.4303

 7.9364, 0.2244,
0.6353

 175.2322, 0.2924,
0.4223

 4.0543, 0.1910,
0.7370

 215.5742, 0.2941,
0.4154

 1.7040, 0.0000,
1.0000

261.6763, 0.2956,

 0.4262, 0.0000,

0.4095

1.0000

313.9230, 0.2968,
0.4043

■ 0.0000, 0.0000,
0.0000

■ 46.4709, 0.2760,
0.4829

■ 46.4709, 0.2760,
0.4829

■ 45.8124, 0.2771,
0.5051

■ 47.4069, 0.2768,
0.4598

■ 45.3879, 0.2800,
0.5254


■ 48.6447, 0.2793,
0.4365


■ 45.2663, 0.2812,
0.5324

■ 50.2124, 0.2834,
0.4139


■ 52.1329, 0.2887,
0.3925

■ 54.4272, 0.2947,
0.3727

 57.1145, 0.3014,
0.3546

 60.2127, 0.3083,
0.3384

 63.7386, 0.3153,
0.3239

 67.7080, 0.3222,
0.3112

Harmonies

Analogous

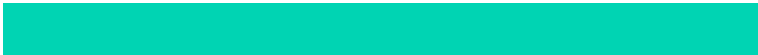
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.4709, 0.3661, 0.5099



46.4709, 0.2760, 0.4829



46.4709, 0.2009, 0.3845

Triad

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



46.4709, 0.2760, 0.4829



46.4709, 0.1793, 0.1894



46.4709, 0.4937, 0.3352

Complementary

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



46.4709, 0.2760, 0.4829



17.4415, 0.4134, 0.2269

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.



46.4709, 0.4271, 0.2729



46.4709, 0.2760, 0.4829



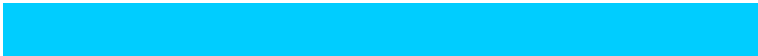
46.4709, 0.2375, 0.1933

Square

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



46.4709, 0.2760, 0.4829



46.4709, 0.1537, 0.2157



46.4709, 0.3271, 0.2228



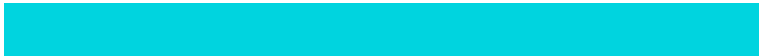
46.4709, 0.4978, 0.4027

Rectangle

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



46.4709, 0.2760, 0.4829



46.4709, 0.1693, 0.3120



46.4709, 0.3271, 0.2228



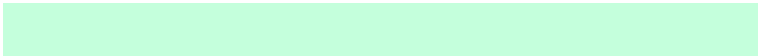
46.4709, 0.4778, 0.3136

Sweetspot

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



46.4728, 0.2760, 0.4829



88.4767, 0.2967, 0.3669



50.7595, 0.3577, 0.5288



18.6195, 0.2944, 0.3738



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.



46.4728, 0.2760, 0.4829



72.9223, 0.2789, 0.5191



49.0502, 0.2371, 0.3524



13.2846, 0.3061, 0.3431



28.5363, 0.2805, 0.5298



1.6111, 0.2702, 0.4926

Inverse Universe

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



17.4415, 0.4134, 0.2269



24.3091, 0.4449, 0.2261



15.8391, 0.5536, 0.3157



11.9245, 0.3199, 0.3153



9.2794, 0.4551, 0.2281



0.5344, 0.4240, 0.2109

Previews

White Background



This preview shows how the Yxy color 46.4709, 0.2760, 0.4829 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 46.4709, 0.2760, 0.4829 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 46.4709, 0.2760, 0.4829

Background



This preview shows how black text looks on a background with the Yxy color 46.4709, 0.2760, 0.4829.

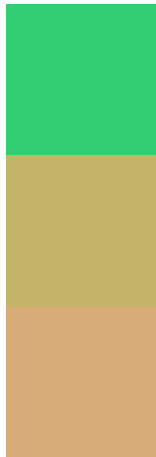


This preview shows how white text looks on a background with the Yxy color 46.4709, 0.2760, 0.4829.

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

46.4709, 0.2760, 0.4829

Protanopia

45.4921, 0.3917, 0.4264

Deuteranopia

45.3326, 0.3986, 0.3909



Tritanopia

46.3572, 0.2360, 0.3061

Trichromacy



Original Color

46.4709, 0.2760, 0.4829



Protanomaly

43.7281, 0.3348, 0.4519



Deuteranomaly

42.9745, 0.3388, 0.4266



Tritanomaly

45.8990, 0.2495, 0.3657

Monochromacy



Original Color

46.4709, 0.2760, 0.4829



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.0377, 0.2906, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4709, 0.2760, 0.4829 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(49, 207, 113)` looks like.

```
.text, #text, p{  
    color:rgb(49, 207, 113)  
}
```

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(49, 207, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 207, 113) }
```

Border

The CSS property to change the border of an element to Yxy 46.4709, 0.2760, 0.4829 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(49, 207, 113) }
```

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

```
.border{ border-color:rgb(49, 207, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 207, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 207, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 207, 113);  
box-shadow:4px 4px 4px 4px rgb(49, 207,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4709, 0.2760, 0.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 207, 113) }
```

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

```
.background{ background-color: rgb(49, 207,  
113) }
```

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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