

Converting Colors

$Y_{xy}(49.1259, 0.2827, 0.4893)$

Have a look what the booklet for
Yxy(49.1259, 0.2827, 0.4893)
contains.

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Color

Yxy(49.3247, 0.2827, 0.4888)

Conversions

Conversions Part 1

Format	Color
Hex	40D46F
RGB	64, 212, 111
RGB Percent	25%, 83%, 44%
CMY	0.7490, 0.1686, 0.5647
CMYK	0.70, 0.00, 0.48, 0.17
HSL	139°, 63%, 54%
HSV	139°, 70%, 83%
XYZ	28.5272, 49.3247, 23.0579
YIQ	156.2340, -55.7870, -62.7870

Conversions

Conversions Part 2

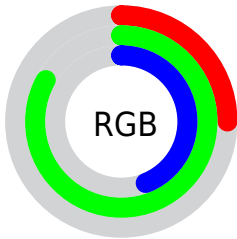
Format	Color
RYB	64, 176, 212
Decimal	4248687
CIELab	75.65, -60.29, 38.81
CIELCh	76, 71.700, 147.228
Yxy	49.3247, 0.2827, 0.4888
Android (android.graphics.Color)	4282438767 (0xFF40D46F)
YUV	156.2340, -22.3004, -80.8892
Hunter-Lab	70.2315, -50.4007, 29.6964

Details

The Yxy color **49.3247, 0.2827, 0.4888** 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 **20.3805, 0.3814, 0.2173**, and the grayscale version is **33.4768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8675, 0.2894, 0.4430**, and **24.1032, 0.2819, 0.5349** is the 20% darker color. If you saturate the color by 10%, you get **48.4527, 0.2829, 0.5140**, and if you desaturate by 10%, it is **50.5223, 0.2842, 0.4625**.

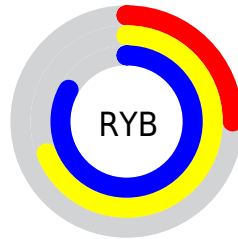
Distribution



Red (25%)

Green (83%)

Blue (44%)



Red (25%)

Yellow (69%)

Blue (83%)

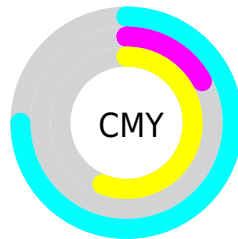


Cyan (70%)

Magenta (0%)

Yellow (48%)

Black (17%)



Cyan (75%)


Magenta (17%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3247, 0.2827, 0.4888 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 49.3247, 0.2827, 0.4888 by changing the saturation by 10% instead.


 49.3247, 0.2827,
0.4888

 49.3247, 0.2827,
0.4888


384.0192, 0.3014,
0.4033


 34.8771, 0.2767,
0.5116


 89.1735, 0.2904,
0.4566


 23.5682, 0.2683,
0.5415


 115.3435, 0.2931,
0.4448


 15.0136, 0.2557,
0.5821


 146.1898, 0.2952,
0.4350

 8.8290, 0.2356,
0.6393

 182.0968, 0.2969,
0.4267

 4.6298, 0.2047,
0.7351

 223.4488, 0.2983,
0.4196

 2.0317, 0.0794,
0.9206

270.6303, 0.2995,

 0.6258, 0.0000,

0.4134

1.0000

324.0256, 0.3005,
0.4080

■ 0.0000, 0.0000,
0.0000

■ 49.3247, 0.2827,
0.4888

■ 49.3247, 0.2827,
0.4888

■ 48.4527, 0.2829,
0.5140

■ 50.5223, 0.2842,
0.4625

■ 47.8653, 0.2848,
0.5369

■ 52.0693, 0.2871,
0.4362

■ 47.5041, 0.2880,
0.5565


■ 53.9938, 0.2911,
0.4109


■ 47.4982, 0.2880,
0.5568

■ 56.3195, 0.2960,
0.3872

■ 59.0681, 0.3014,
0.3655

 62.2596, 0.3071,
0.3460

 65.9129, 0.3128,
0.3287

 70.0456, 0.3185,
0.3134

 74.6746, 0.3240,
0.3001

Harmonies

Analogous

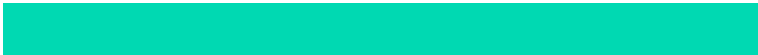
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3247, 0.3731, 0.5092



49.3247, 0.2827, 0.4888



49.3247, 0.2053, 0.3937

Triad

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



49.3247, 0.2827, 0.4888



49.3247, 0.1757, 0.1899



49.3247, 0.4913, 0.3300

Complementary

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



49.3247, 0.2827, 0.4888



20.3805, 0.3814, 0.2173

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.



49.3247, 0.4202, 0.2682



49.3247, 0.2827, 0.4888



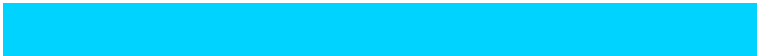
49.3247, 0.2314, 0.1917

Square

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



49.3247, 0.2827, 0.4888



49.3247, 0.1526, 0.2189



49.3247, 0.3192, 0.2193



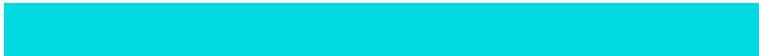
49.3247, 0.5003, 0.3974

Rectangle

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



49.3247, 0.2827, 0.4888



49.3247, 0.1717, 0.3199



49.3247, 0.3192, 0.2193



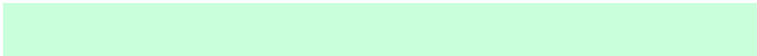
49.3247, 0.4737, 0.3085

Sweetspot

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



49.3267, 0.2827, 0.4888



89.0860, 0.3006, 0.3685



55.4729, 0.3673, 0.5092



18.8101, 0.2991, 0.3744



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.



49.3267, 0.2827, 0.4888



73.0879, 0.2837, 0.5260



51.6761, 0.2456, 0.3689



13.9603, 0.3073, 0.3453



29.3380, 0.2873, 0.5543



1.7844, 0.2774, 0.5187

Inverse Universe

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



20.3805, 0.3814, 0.2173



26.4184, 0.4021, 0.2083



18.4218, 0.5049, 0.3012



12.5624, 0.3186, 0.3132



9.9157, 0.4206, 0.2091



0.6128, 0.3992, 0.1973

Previews

White Background



This preview shows how the Yxy color 49.3247, 0.2827, 0.4888 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 49.3247, 0.2827, 0.4888 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 49.3247, 0.2827, 0.4888

Background



This preview shows how black text looks on a background with the Yxy color 49.3247, 0.2827, 0.4888.

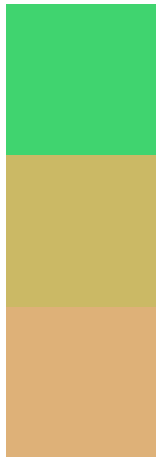


This preview shows how white text looks on a background with the Yxy color 49.3247, 0.2827, 0.4888.

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

49.3247, 0.2827, 0.4888

Protanopia

48.3340, 0.3959, 0.4317

Deuteranopia

48.3299, 0.4033, 0.3959



Tritanopia

48.9757, 0.2399, 0.3067

Trichromacy



Original Color

49.3247, 0.2827, 0.4888



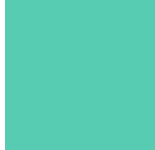
Protanomaly

46.7255, 0.3423, 0.4569



Deuteranomaly

46.1106, 0.3470, 0.4308



Tritanomaly

48.4263, 0.2548, 0.3677

Monochromacy



Original Color

49.3247, 0.2827, 0.4888



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.1551, 0.2959, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3247, 0.2827, 0.4888 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(64, 212, 111)` looks like.

```
.text, #text, p{  
    color:rgb(64, 212, 111)  
}
```

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(64, 212, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 212, 111) }
```

Border

The CSS property to change the border of an element to Yxy 49.3247, 0.2827, 0.4888 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(64, 212, 111) }
```

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

```
.border{ border-color:rgb(64, 212, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 212, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 212, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 212, 111);  
box-shadow:4px 4px 4px 4px rgb(64, 212,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3247, 0.2827, 0.4888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 212, 111) }
```

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

```
.background{ background-color: rgb(64, 212,  
111) }
```

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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