

# Converting Colors

Yxy(47.3198, 0.2849, 0.4914)

Have a look what the booklet for  
Yxy(47.3198, 0.2849, 0.4914)  
contains.

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# Color

**Yxy(47.3315, 0.2849, 0.4911)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 42D06B                       |
| RGB         | 66, 208, 107                 |
| RGB Percent | 26%, 82%, 42%                |
| CMY         | 0.7409, 0.1843, 0.5805       |
| CMYK        | 0.68, 0.00, 0.49, 0.18       |
| HSL         | 137°, 60%, 54%               |
| HSV         | 137°, 68%, 82%               |
| XYZ         | 27.4582, 47.3315, 21.5888    |
| YIQ         | 154.0280, -52.2110, -61.5150 |

# Conversions

## Conversions Part 2

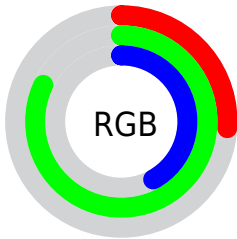
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">66, 176, 208</a>                     |
| Decimal                             | <a href="#">4378731</a>                          |
| CIELab                              | <a href="#">74.40, -59.13, 39.24</a>             |
| CIELCh                              | <a href="#">74, 70.964, 146.429</a>              |
| Yxy                                 | <a href="#">47.3315, 0.2849,<br/>0.4911</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4282568811<br/>(0xFF42D06B)</a>      |
| YUV                                 | <a href="#">154.0280, -23.1848,<br/>-77.2006</a> |
| Hunter-Lab                          | <a href="#">68.7979, -49.1544,<br/>29.5533</a>   |

# Details

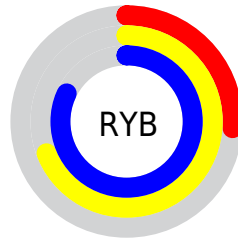
The Yxy color **47.3315, 0.2849, 0.4911** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **20.1080, 0.3730, 0.2146**, and the grayscale version is **32.4562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8039, 0.2917, 0.4481**, and **22.7519, 0.2826, 0.5372** is the 20% darker color. If you saturate the color by 10%, you get **46.4515, 0.2849, 0.5172**, and if you desaturate by 10%, it is **48.5314, 0.2865, 0.4638**.

# Distribution



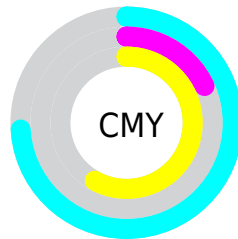
- Red (26%)
- Green (82%)
- Blue (42%)



- Red (26%)
- Yellow (69%)
- Blue (82%)



- Cyan (68%)
- Magenta (0%)
- Yellow (49%)
- Black (18%)




- Cyan (74%)
- Magenta (18%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3315, 0.2849, 0.4911 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 47.3315, 0.2849, 0.4911 by changing the saturation by 10% instead.




 47.3315, 0.2849,  
0.4911


 47.3315, 0.2849,  
0.4911


376.1362, 0.3028,  
0.4038


 33.2978, 0.2790,  
0.5145


 86.2082, 0.2924,  
0.4581


 22.3547, 0.2706,  
0.5454


 111.8201, 0.2949,  
0.4460

 14.1177, 0.2578,  
0.5874

 142.0600, 0.2969,  
0.4360

 8.2026, 0.2370,  
0.6468

 177.3126, 0.2985,  
0.4276

 4.2249, 0.2073,  
0.7572

 217.9621, 0.2999,  
0.4204

 1.8001, 0.0384,  
0.9616

264.3929, 0.3010,

 0.4873, 0.0000,

0.4141

1.0000

316.9895, 0.3019,  
0.4086

■ 0.0000, 0.0000,  
0.0000

■ 47.3315, 0.2849,  
0.4911

■ 47.3315, 0.2849,  
0.4911

■ 46.4515, 0.2849,  
0.5172

■ 48.5314, 0.2865,  
0.4638

■ 45.8528, 0.2865,  
0.5407

■ 50.0734, 0.2894,  
0.4366


■ 45.4895, 0.2894,  
0.5605

■ 51.9845, 0.2933,  
0.4105


■ 45.4376, 0.2899,  
0.5637

■ 54.2870, 0.2980,  
0.3860

■ 57.0017, 0.3030,  
0.3638

 60.1479, 0.3083,  
0.3438

 63.7434, 0.3136,  
0.3260

 67.8052, 0.3189,  
0.3105

 72.3495, 0.3239,  
0.2969

# Harmonies

## Analogous

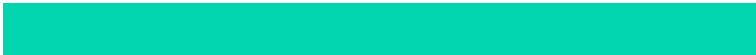
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3315, 0.3756, 0.5092



47.3315, 0.2849, 0.4911



47.3315, 0.2067, 0.3969

# Triad

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



47.3315, 0.2849, 0.4911



47.3315, 0.1743, 0.1898



47.3315, 0.4907, 0.3281

# Complementary

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



47.3315, 0.2849, 0.4911



20.1080, 0.3730, 0.2146

# 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.



47.3315, 0.4180, 0.2665



47.3315, 0.2849, 0.4911



47.3315, 0.2292, 0.1909

# Square

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



47.3315, 0.2849, 0.4911



47.3315, 0.1520, 0.2198



47.3315, 0.3165, 0.2180



47.3315, 0.5014, 0.3956



# Rectangle

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



47.3315, 0.2849, 0.4911



47.3315, 0.1723, 0.3226



47.3315, 0.3165, 0.2180



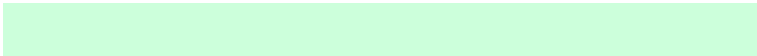
47.3315, 0.4725, 0.3067

# Sweetspot

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



47.3334, 0.2849, 0.4911



89.4559, 0.3020, 0.3680



53.8075, 0.3708, 0.5033



18.8789, 0.3005, 0.3743



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.



47.3334, 0.2849, 0.4911



73.1424, 0.2855, 0.5287



49.4568, 0.2487, 0.3753



13.2615, 0.3077, 0.3460



28.3337, 0.2892, 0.5612



1.5980, 0.2787, 0.5235



# Inverse Universe

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



20.1080, 0.3730, 0.2146



27.1348, 0.3908, 0.2038



18.1740, 0.4899, 0.2956



11.9485, 0.3181, 0.3126



9.7091, 0.4094, 0.2029



0.5562, 0.3895, 0.1919



# Previews

## White Background



This preview shows how the Yxy color 47.3315, 0.2849, 0.4911 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 47.3315, 0.2849, 0.4911 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 47.3315, 0.2849, 0.4911**

## Background



This preview shows how black text looks on a background with the Yxy color 47.3315, 0.2849, 0.4911.

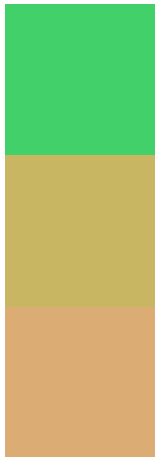


This preview shows how white text looks on a background with the Yxy color 47.3315, 0.2849, 0.4911.

# 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

47.3315, 0.2849, 0.4911

### Protanopia

46.6171, 0.3971, 0.4330

### Deuteranopia

46.2082, 0.4062, 0.3968



## Tritanopia

46.9426, 0.2407, 0.3064

# Trichromacy



## Original Color

47.3315, 0.2849, 0.4911



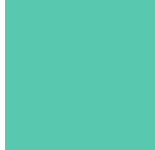
## Protanomaly

44.7805, 0.3454, 0.4583



## Deuteranomaly

44.0966, 0.3495, 0.4323



## Tritanomaly

46.4393, 0.2564, 0.3684

# Monochromacy



## Original Color

47.3315, 0.2849, 0.4911



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

36.2158, 0.2973, 0.3890

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3315, 0.2849, 0.4911 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(66, 208, 107)` looks like.

```
.text, #text, p{  
    color:rgb(66, 208, 107)  
}
```

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(66, 208, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 208, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3315, 0.2849, 0.4911 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(66, 208, 107) }
```

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

```
.border{ border-color:rgb(66, 208, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 208, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 208, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 208, 107);  
box-shadow:4px 4px 4px 4px rgb(66, 208,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3315, 0.2849, 0.4911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 208, 107) }
```

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

```
.background{ background-color: rgb(66, 208,  
107) }
```

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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