

Converting Colors

$Yxy(50.7067, 0.2871, 0.4894)$

Have a look what the booklet for
Yxy(50.7067, 0.2871, 0.4894)
contains.

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Color

Yxy(50.6967, 0.2868, 0.4889)

Conversions

Conversions Part 1

Format	Color
Hex	4AD66F
RGB	74, 214, 111
RGB Percent	29%, 84%, 44%
CMY	0.7098, 0.1608, 0.5647
CMYK	0.65, 0.00, 0.48, 0.16
HSL	136°, 63%, 56%
HSV	136°, 65%, 84%
XYZ	29.7399, 50.6967, 23.2589
YIQ	160.3980, -50.3770, -61.7130

Conversions

Conversions Part 2

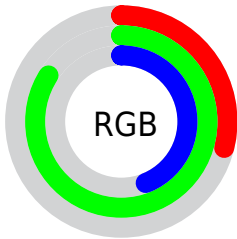
Format	Color
RYB	74, 185, 214
Decimal	4904559
CIELab	76.49, -59.24, 39.92
CIELCh	76, 71.433, 146.027
Yxy	50.6967, 0.2868, 0.4889
Android (android.graphics.Color)	4283094639 (0xFF4AD66F)
YUV	160.3980, -24.3532, -75.7710
Hunter-Lab	71.2016, -50.0460, 30.4733

Details

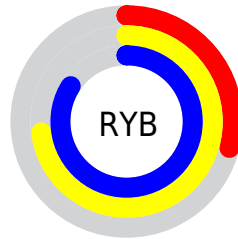
The Yxy color **50.6967, 0.2868, 0.4889** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **22.3678, 0.3652, 0.2143**, and the grayscale version is **35.4801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5187, 0.2932, 0.4418**, and **24.7800, 0.2823, 0.5364** is the 20% darker color. If you saturate the color by 10%, you get **49.6722, 0.2864, 0.5160**, and if you desaturate by 10%, it is **52.0752, 0.2886, 0.4607**.

Distribution



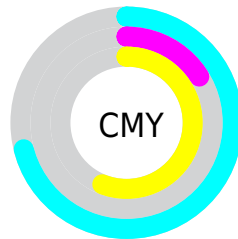
- Red (29%)
- Green (84%)
- Blue (44%)



- Red (29%)
- Yellow (73%)
- Blue (84%)



- Cyan (65%)
- Magenta (0%)
- Yellow (48%)
- Black (16%)




- Cyan (71%)
- Magenta (16%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6967, 0.2868, 0.4889 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 50.6967, 0.2868, 0.4889 by changing the saturation by 10% instead.


 50.6967, 0.2868,
0.4889

 50.6967, 0.2868,
0.4889


389.3842, 0.3035,
0.4038

 35.9673, 0.2814,
0.5114


 91.2063, 0.2938,
0.4570


 24.4089, 0.2736,
0.5408


 117.7553, 0.2961,
0.4453

 15.6372, 0.2619,
0.5804


 149.0129, 0.2980,
0.4355

 9.2678, 0.2431,
0.6359

 185.3635, 0.2995,
0.4272

 4.9163, 0.2139,
0.7266

227.1915, 0.3008,
0.4201

 2.1982, 0.1164,
0.8836

274.8814, 0.3018,

 0.7190, 0.0000,

0.4140

1.0000

328.8175, 0.3027,
0.4086

0.0000, 0.0000,
0.0000

50.6967, 0.2868,
0.4889

50.6967, 0.2868,
0.4889

49.6722, 0.2864,
0.5160

52.0752, 0.2886,
0.4607

48.9617, 0.2876,
0.5405

53.8309, 0.2917,
0.4328


48.5261, 0.2901,
0.5611


55.9921, 0.2956,
0.4062


48.3864, 0.2914,
0.5692

58.5826, 0.3002,
0.3814

61.6244, 0.3050,
0.3589

 65.1378, 0.3100,
0.3389

 69.1420, 0.3150,
0.3212

 73.6552, 0.3198,
0.3057

 76.4276, 0.3161,
0.2912

Harmonies

Analogous

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



50.6967, 0.3763, 0.5061



50.6967, 0.2868, 0.4889



50.6967, 0.2092, 0.3973

Triad

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



50.6967, 0.2868, 0.4889



50.6967, 0.1756, 0.1918



50.6967, 0.4873, 0.3276

Complementary

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



50.6967, 0.2868, 0.4889



22.3678, 0.3652, 0.2143

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.



50.6967, 0.4151, 0.2667



50.6967, 0.2868, 0.4889



50.6967, 0.2295, 0.1924

Square

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



50.6967, 0.2868, 0.4889



50.6967, 0.1539, 0.2222



50.6967, 0.3153, 0.2189



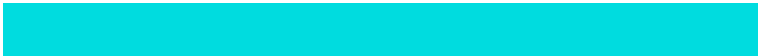
50.6967, 0.4990, 0.3943

Rectangle

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



50.6967, 0.2868, 0.4889



50.6967, 0.1748, 0.3243



50.6967, 0.3153, 0.2189



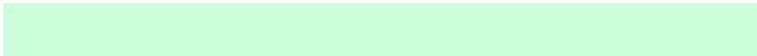
50.6967, 0.4691, 0.3064

Sweetspot

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



50.6988, 0.2868, 0.4889



89.3923, 0.3027, 0.3694



58.1735, 0.3736, 0.4953



18.8638, 0.3013, 0.3758



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.



50.6988, 0.2868, 0.4889



73.3493, 0.2867, 0.5271



52.8056, 0.2522, 0.3804



13.9494, 0.3080, 0.3466



29.2599, 0.2908, 0.5668



1.7786, 0.2811, 0.5320

Inverse Universe

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



22.3678, 0.3652, 0.2143



28.1088, 0.3808, 0.2013



20.2979, 0.4713, 0.2904



12.5740, 0.3178, 0.3120



10.1393, 0.4009, 0.1982



0.6249, 0.3841, 0.1889

Previews

White Background



This preview shows how the Yxy color 50.6967, 0.2868, 0.4889 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 50.6967, 0.2868, 0.4889 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 50.6967, 0.2868, 0.4889

Background



This preview shows how black text looks on a background with the Yxy color 50.6967, 0.2868, 0.4889.



This preview shows how white text looks on a background with the Yxy color 50.6967, 0.2868, 0.4889.

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

50.6967, 0.2868, 0.4889

Protanopia

49.6218, 0.3968, 0.4315

Deuteranopia

49.6038, 0.4050, 0.3973



Tritanopia

50.4288, 0.2426, 0.3071

Trichromacy



Original Color

50.6967, 0.2868, 0.4889



Protanomaly

48.2215, 0.3468, 0.4567



Deuteranomaly

47.5297, 0.3508, 0.4316



Tritanomaly

49.8302, 0.2584, 0.3686

Monochromacy



Original Color

50.6967, 0.2868, 0.4889



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.2626, 0.2993, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6967, 0.2868, 0.4889 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(74, 214, 111)` looks like.

```
.text, #text, p{  
    color:rgb(74, 214, 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(74, 214, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 214, 111) }
```

Border

The CSS property to change the border of an element to Yxy 50.6967, 0.2868, 0.4889 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(74, 214, 111) }
```

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

```
.border{ border-color:rgb(74, 214, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 214, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 214, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 214, 111);  
box-shadow:4px 4px 4px 4px rgb(74, 214,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6967, 0.2868, 0.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 214, 111) }
```

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

```
.background{ background-color: rgb(74, 214,  
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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