

Converting Colors

$Yxy(44.9266, 0.2786, 0.4622)$

Have a look what the booklet for
Yxy(44.9266, 0.2786, 0.4622)
contains.

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Color

Yxy(44.9236, 0.2783, 0.4614)

Conversions

Conversions Part 1

Format	Color
Hex	46CA79
RGB	70, 202, 121
RGB Percent	27%, 79%, 47%
CMY	0.7257, 0.2078, 0.5253
CMYK	0.65, 0.00, 0.40, 0.21
HSL	143°, 55%, 53%
HSV	143°, 65%, 79%
XYZ	27.0963, 44.9236, 25.3438
YIQ	153.2980, -52.6710, -53.1750

Conversions

Conversions Part 2

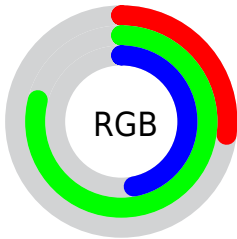
Format	Color
RYB	70, 165, 202
Decimal	4639353
CIELab	72.84, -53.86, 30.15
CIElCh	73, 61.727, 150.764
Yxy	44.9236, 0.2783, 0.4614
Android (android.graphics.Color)	4282829433 (0xFF46CA79)
YUV	153.2980, -15.9229, -73.0523
Hunter-Lab	67.0251, -45.1314, 24.4986

Details

The Yxy color **44.9236, 0.2783, 0.4614** 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 **19.1627, 0.3892, 0.2322**, and the grayscale version is **32.0757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4815, 0.2860, 0.4296**, and **21.3224, 0.2732, 0.5034** is the 20% darker color. If you saturate the color by 10%, you get **44.0122, 0.2774, 0.4852**, and if you desaturate by 10%, it is **46.1302, 0.2809, 0.4375**.

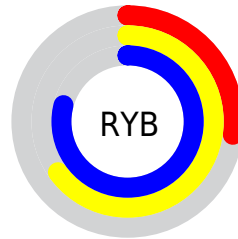
Distribution



Red (27%)

Green (79%)

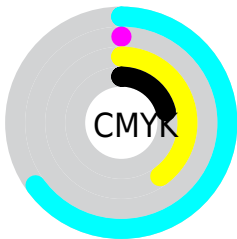
Blue (47%)



Red (27%)

Yellow (65%)

Blue (79%)

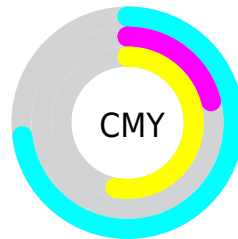


Cyan (65%)

Magenta (0%)

Yellow (40%)

Black (21%)



Cyan (73%)


Magenta (21%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9236, 0.2783, 0.4614 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 44.9236, 0.2783, 0.4614 by changing the saturation by 10% instead.


 44.9236, 0.2783,
0.4614

 44.9236, 0.2783,
0.4614


366.4640, 0.2982,
0.3899

 31.3973, 0.2724,
0.4809


 82.6058, 0.2862,
0.4342


 20.9015, 0.2641,
0.5068


 107.5303, 0.2890,
0.4244

 13.0520, 0.2521,
0.5428


 137.0232, 0.2913,
0.4162

 7.4644, 0.2332,
0.5953

 171.4686, 0.2931,
0.4093

 3.7542, 0.2020,
0.6809

 211.2509, 0.2947,
0.4034

 1.5370, 0.0231,
0.9769

256.7547, 0.2961,

 0.3146, 0.0000,

0.3983

1.0000

308.3643, 0.2972,
0.3939

■ 0.0000, 0.0000,
0.0000

■ 44.9236, 0.2783,
0.4614

■ 44.9236, 0.2783,
0.4614

■ 44.0122, 0.2774,
0.4852

■ 46.1302, 0.2809,
0.4375

■ 43.3626, 0.2784,
0.5079

■ 47.6507, 0.2849,
0.4143

■ 42.9424, 0.2811,
0.5287

■ 49.5086, 0.2901,
0.3924

■ 42.7961, 0.2827,
0.5376

■ 51.7235, 0.2960,
0.3721

■ 54.3137, 0.3024,
0.3537

■ 57.2958, 0.3091,
0.3371

■ 60.6858, 0.3158,
0.3224

■ 64.4985, 0.3224,
0.3095

■ 68.7482, 0.3288,
0.2982

Harmonies

Analogous

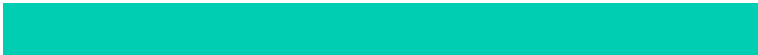
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9236, 0.3602, 0.4906



44.9236, 0.2783, 0.4614



44.9236, 0.2103, 0.3749

Triad

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



44.9236, 0.2783, 0.4614



44.9236, 0.1927, 0.2015



44.9236, 0.4759, 0.3393

Complementary

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



44.9236, 0.2783, 0.4614



19.1627, 0.3892, 0.2322

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.



44.9236, 0.4181, 0.2809



44.9236, 0.2783, 0.4614



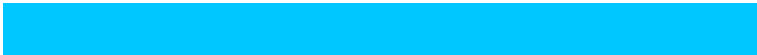
44.9236, 0.2479, 0.2057

Square

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



44.9236, 0.2783, 0.4614



44.9236, 0.1677, 0.2256



44.9236, 0.3298, 0.2338



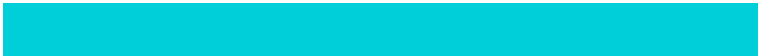
44.9236, 0.4792, 0.4016

Rectangle

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



44.9236, 0.2783, 0.4614



44.9236, 0.1815, 0.3118



44.9236, 0.3298, 0.2338



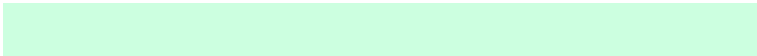
44.9236, 0.4621, 0.3191

Sweetspot

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



44.9254, 0.2783, 0.4614



89.7246, 0.2993, 0.3625



49.3015, 0.3584, 0.5040



18.9426, 0.2974, 0.3678



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.



44.9254, 0.2783, 0.4614



74.0585, 0.2776, 0.4937



47.1147, 0.2433, 0.3520



12.6076, 0.3064, 0.3435



27.5532, 0.2820, 0.5351



1.4362, 0.2708, 0.4948

Inverse Universe

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



19.1627, 0.3892, 0.2322



27.3144, 0.4130, 0.2225



17.5926, 0.5003, 0.3121



11.3273, 0.3196, 0.3149



9.0319, 0.4474, 0.2238



0.4805, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 44.9236, 0.2783, 0.4614 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 44.9236, 0.2783, 0.4614 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 44.9236, 0.2783, 0.4614

Background



This preview shows how black text looks on a background with the Yxy color 44.9236, 0.2783, 0.4614.

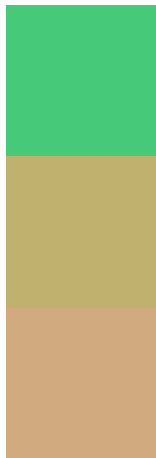


This preview shows how white text looks on a background with the Yxy color 44.9236, 0.2783, 0.4614.

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

44.9236, 0.2783, 0.4614

Protanopia

43.9294, 0.3833, 0.4149

Deuteranopia

44.0096, 0.3886, 0.3813



Tritanopia

44.8009, 0.2411, 0.3073

Trichromacy



Original Color

44.9236, 0.2783, 0.4614



Protanomaly

42.6515, 0.3346, 0.4342



Deuteranomaly

42.3075, 0.3379, 0.4117



Tritanomaly

44.6892, 0.2542, 0.3595

Monochromacy



Original Color

44.9236, 0.2783, 0.4614



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

35.2599, 0.2950, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9236, 0.2783, 0.4614 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(70, 202, 121)` looks like.

```
.text, #text, p{  
  color:rgb(70, 202, 121)  
}
```

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(70, 202, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 202, 121) }
```

Border

The CSS property to change the border of an element to Yxy 44.9236, 0.2783, 0.4614 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(70, 202, 121) }
```

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

```
.border{ border-color:rgb(70, 202, 121) }
```

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

Here you see how a box with a 4 pixel rgb(70, 202, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 202, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 202, 121);  
box-shadow:4px 4px 4px 4px rgb(70, 202,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9236, 0.2783, 0.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 202, 121) }
```

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

```
.background{ background-color: rgb(70, 202,  
121) }
```

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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