

Converting Colors

$Yxy(44.9668, 0.2703, 0.4577)$

Have a look what the booklet for
Yxy(44.9668, 0.2703, 0.4577)
contains.

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Color

Yxy(44.9494, 0.2702, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	35CB7D
RGB	53, 203, 125
RGB Percent	21%, 80%, 49%
CMY	0.7925, 0.2039, 0.5097
CMYK	0.74, 0.00, 0.38, 0.20
HSL	149°, 59%, 50%
HSV	149°, 74%, 80%
XYZ	26.5240, 44.9494, 26.6909
YIQ	149.2580, -64.3620, -56.0580

Conversions

Conversions Part 2

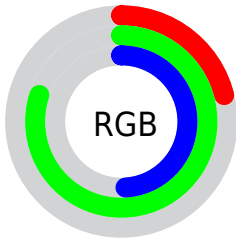
Format	Color
RYB	53, 154, 203
Decimal	3525501
CIELab	72.86, -56.27, 28.04
CIElCh	73, 62.867, 153.516
Yxy	44.9494, 0.2702, 0.4579
Android (android.graphics.Color)	4281715581 (0xFF35CB7D)
YUV	149.2580, -11.9592, -84.4183
Hunter-Lab	67.0443, -46.7096, 23.3272

Details

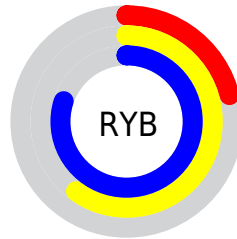
The Yxy color **44.9494, 0.2702, 0.4579** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.8716, 0.4286, 0.2411**, and the grayscale version is **30.2327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7274, 0.2788, 0.4259**, and **21.6878, 0.2710, 0.4955** is the 20% darker color. If you saturate the color by 10%, you get **44.2581, 0.2704, 0.4780**, and if you desaturate by 10%, it is **45.9057, 0.2719, 0.4375**.

Distribution



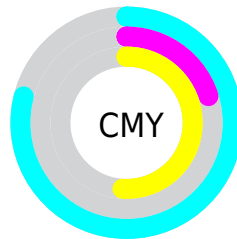
- Red (21%)
- Green (80%)
- Blue (49%)



- Red (21%)
- Yellow (60%)
- Blue (80%)



- Cyan (74%)
- Magenta (0%)
- Yellow (38%)
- Black (20%)




- Cyan (79%)
- Magenta (20%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9494, 0.2702, 0.4579 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 44.9494, 0.2702, 0.4579 by changing the saturation by 10% instead.


 44.9494, 0.2702,
0.4579

 44.9494, 0.2702,
0.4579


366.5686, 0.2940,
0.3883

 31.4176, 0.2634,
0.4769


 82.6445, 0.2795,
0.4314


 20.9170, 0.2541,
0.5022


 107.5765, 0.2828,
0.4218

 13.0634, 0.2407,
0.5374


 137.0774, 0.2855,
0.4139

 7.4722, 0.2204,
0.5891

 171.5316, 0.2878,
0.4071

 3.7591, 0.1868,
0.6712

 211.3234, 0.2897,
0.4014

 1.5397, 0.0000,
1.0000

256.8372, 0.2913,


 0.3165, 0.0000,


0.3964


1.0000

308.4575, 0.2928,
0.3921


 0.0000, 0.0000,
0.0000


 44.9494, 0.2702,
0.4579

 44.9494, 0.2702,
0.4579

 44.2581, 0.2704,
0.4780


 45.9057, 0.2719,
0.4375

 43.7938, 0.2726,
0.4973

 47.1485, 0.2755,
0.4173

 43.5884, 0.2745,
0.5084

 48.7034, 0.2805,
0.3980

 50.5912, 0.2868,
0.3798

 52.8312, 0.2939,
0.3630

■ 55.4409, 0.3016,
0.3477

■ 58.4367, 0.3095,
0.3340

■ 61.8342, 0.3176,
0.3218

■ 65.6478, 0.3256,
0.3110

Harmonies

Analogous

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



44.9494, 0.3530, 0.4939



44.9494, 0.2702, 0.4579



44.9494, 0.2036, 0.3665

Triad

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



44.9494, 0.2702, 0.4579



44.9494, 0.1948, 0.1988



44.9494, 0.4815, 0.3448

Complementary

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



44.9494, 0.2702, 0.4579



16.8716, 0.4286, 0.2411

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.



44.9494, 0.4272, 0.2851



44.9494, 0.2702, 0.4579



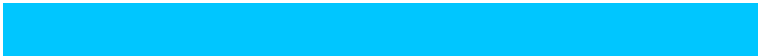
44.9494, 0.2534, 0.2055

Square

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



44.9494, 0.2702, 0.4579



44.9494, 0.1667, 0.2203



44.9494, 0.3385, 0.2360



44.9494, 0.4794, 0.4081

Rectangle

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



44.9494, 0.2702, 0.4579



44.9494, 0.1766, 0.3032



44.9494, 0.3385, 0.2360



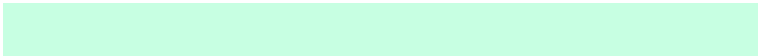
44.9494, 0.4693, 0.3242

Sweetspot

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



44.9512, 0.2702, 0.4579



89.1315, 0.2951, 0.3604



47.9550, 0.3496, 0.5295



18.8383, 0.2931, 0.3648



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.



44.9512, 0.2702, 0.4579



73.5766, 0.2716, 0.4902



47.5471, 0.2334, 0.3362



12.6253, 0.3052, 0.3413



27.7555, 0.2739, 0.5059



1.4472, 0.2636, 0.4690

Inverse Universe

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



16.8716, 0.4286, 0.2411



24.1667, 0.4666, 0.2408



15.5406, 0.5579, 0.3252



11.3094, 0.3210, 0.3170



8.7536, 0.4860, 0.2451



0.4669, 0.4452, 0.2226

Previews

White Background



This preview shows how the Yxy color 44.9494, 0.2702, 0.4579 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 44.9494, 0.2702, 0.4579 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 44.9494, 0.2702, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 44.9494, 0.2702, 0.4579.



This preview shows how white text looks on a background with the Yxy color 44.9494, 0.2702, 0.4579.

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

44.9494, 0.2702, 0.4579

Protanopia

44.0195, 0.3800, 0.4099

Deuteranopia

43.9982, 0.3831, 0.3754



Tritanopia

44.8181, 0.2361, 0.3058

Trichromacy



Original Color

44.9494, 0.2702, 0.4579



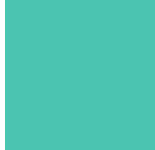
Protanomaly

42.2005, 0.3265, 0.4299



Deuteranomaly

41.7430, 0.3277, 0.4059



Tritanomaly

44.6427, 0.2479, 0.3581

Monochromacy



Original Color

44.9494, 0.2702, 0.4579



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.8468, 0.2883, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9494, 0.2702, 0.4579 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(53, 203, 125)` looks like.

```
.text, #text, p{  
    color:rgb(53, 203, 125)  
}
```

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(53, 203, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 203, 125) }
```

Border

The CSS property to change the border of an element to Yxy 44.9494, 0.2702, 0.4579 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(53, 203, 125) }
```

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

```
.border{ border-color:rgb(53, 203, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 203, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 203, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 203, 125);  
box-shadow:4px 4px 4px 4px rgb(53, 203,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9494, 0.2702, 0.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 203, 125) }
```

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

```
.background{ background-color: rgb(53, 203,  
125) }
```

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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