

Converting Colors

$Yxy(39.4860, 0.2709, 0.4501)$

Have a look what the booklet for
Yxy(39.4860, 0.2709, 0.4501)
contains.

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Color

Yxy(39.5119, 0.2709, 0.4503)

Conversions

Conversions Part 1

Format	Color
Hex	39BF79
RGB	57, 191, 121
RGB Percent	22%, 75%, 47%
CMY	0.7764, 0.2510, 0.5255
CMYK	0.70, 0.00, 0.37, 0.25
HSL	149°, 54%, 49%
HSV	149°, 70%, 75%
XYZ	23.7703, 39.5119, 24.4635
YIQ	142.9540, -57.3940, -50.1780

Conversions

Conversions Part 2

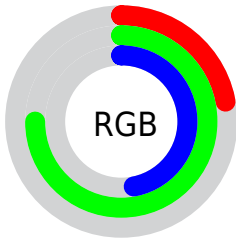
Format	Color
RYB	57, 148, 191
Decimal	3784569
CIELab	69.12, -51.88, 25.17
CIELCh	69, 57.665, 154.116
Yxy	39.5119, 0.2709, 0.4503
Android (android.graphics.Color)	4281974649 (0xFF39BF79)
YUV	142.9540, -10.8233, -75.3817
Hunter-Lab	62.8585, -42.5015, 20.9262

Details

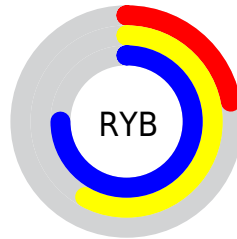
The Yxy color **39.5119, 0.2709, 0.4503** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **15.5381, 0.4185, 0.2428**, and the grayscale version is **27.5134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2557, 0.2803, 0.4240**, and **18.0762, 0.2685, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **38.8212, 0.2703, 0.4707**, and if you desaturate by 10%, it is **40.4422, 0.2734, 0.4299**.

Distribution



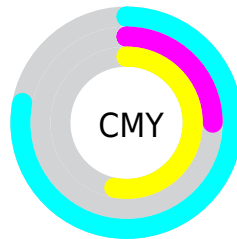
- Red (22%)
- Green (75%)
- Blue (47%)



- Red (22%)
- Yellow (58%)
- Blue (75%)



- Cyan (70%)
- Magenta (0%)
- Yellow (37%)
- Black (25%)





- Cyan (78%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5119, 0.2709, 0.4503 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 39.5119, 0.2709, 0.4503 by changing the saturation by 10% instead.


 39.5119, 0.2709,
0.4503

 39.5119, 0.2709,
0.4503


344.0620, 0.2945,
0.3837

 27.1582, 0.2640,
0.4690


 74.4197, 0.2802,
0.4246

 17.6921, 0.2545,
0.4943


 97.7425, 0.2835,
0.4154


 10.7291, 0.2406,
0.5301


 125.4906, 0.2862,
0.4078

 5.8850, 0.2189,
0.5842

 158.0481, 0.2884,
0.4014

 2.7753, 0.1834,
0.6826

 195.7997, 0.2903,
0.3960

 1.0156, 0.0000,
1.0000

239.1296, 0.2919,

 0.0000, 0.0000,

0.3913

0.0000

288.4222, 0.2933,
0.3873

■ 39.5119, 0.2709,
0.4503

■ 39.5119, 0.2709,
0.4503

■ 38.8212, 0.2703,
0.4707

■ 40.4422, 0.2734,
0.4299

■ 38.3395, 0.2717,
0.4903

■ 41.6293, 0.2775,
0.4100

■ 38.0213, 0.2746,
0.5086

■ 43.0940, 0.2830,
0.3910

■ 44.8540, 0.2896,
0.3733

■ 46.9250, 0.2969,
0.3571

■ 49.3219, 0.3046,
0.3423

■ 52.0585, 0.3126,
0.3292

■ 55.1478, 0.3206,
0.3175

■ 58.6021, 0.3284,
0.3072

Harmonies

Analogous

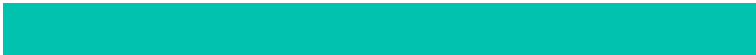
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.5119, 0.3507, 0.4866



39.5119, 0.2709, 0.4503



39.5119, 0.2070, 0.3632

Triad

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



39.5119, 0.2709, 0.4503



39.5119, 0.1998, 0.2033



39.5119, 0.4751, 0.3463

Complementary

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



39.5119, 0.2709, 0.4503



15.5381, 0.4185, 0.2428

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.



39.5119, 0.4239, 0.2881



39.5119, 0.2709, 0.4503



39.5119, 0.2573, 0.2101

Square

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



39.5119, 0.2709, 0.4503



39.5119, 0.1719, 0.2238



39.5119, 0.3394, 0.2401



39.5119, 0.4726, 0.4075

Rectangle

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



39.5119, 0.2709, 0.4503



39.5119, 0.1810, 0.3031



39.5119, 0.3394, 0.2401



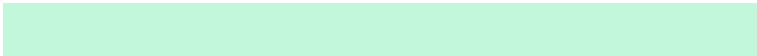
39.5119, 0.4636, 0.3263

Sweetspot

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



39.5135, 0.2709, 0.4503



83.5707, 0.2960, 0.3589



42.1844, 0.3497, 0.5205



18.1153, 0.2939, 0.3633



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.5135, 0.2709, 0.4503



69.0366, 0.2708, 0.4810



41.7009, 0.2354, 0.3357



10.7235, 0.3053, 0.3412



25.0027, 0.2739, 0.5062



0.9926, 0.2613, 0.4606

Inverse Universe

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



15.5381, 0.4185, 0.2428



23.4692, 0.4535, 0.2387



14.3475, 0.5392, 0.3250



9.6174, 0.3209, 0.3171



7.8976, 0.4840, 0.2440



0.3225, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 39.5119, 0.2709, 0.4503 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 39.5119, 0.2709, 0.4503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

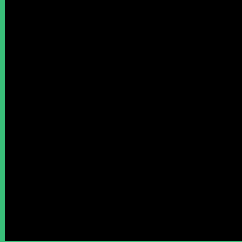
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.5119, 0.2709, 0.4503

Background



This preview shows how black text looks on a background with the Yxy color 39.5119, 0.2709, 0.4503.



This preview shows how white text looks on a background with the Yxy color 39.5119, 0.2709, 0.4503.

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

39.5119, 0.2709, 0.4503

Protanopia

38.7302, 0.3774, 0.4063

Deuteranopia

38.9186, 0.3798, 0.3727



Tritanopia

39.4655, 0.2377, 0.3061

Trichromacy



Original Color

39.5119, 0.2709, 0.4503



Protanomaly

37.6068, 0.3270, 0.4250



Deuteranomaly

37.0967, 0.3281, 0.4016



Tritanomaly

39.0584, 0.2490, 0.3548

Monochromacy



Original Color

39.5119, 0.2709, 0.4503



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.3356, 0.2899, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5119, 0.2709, 0.4503 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(57, 191, 121)` looks like.

```
.text, #text, p{  
    color:rgb(57, 191, 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(57, 191, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 191, 121) }
```

Border

The CSS property to change the border of an element to Yxy 39.5119, 0.2709, 0.4503 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(57, 191, 121) }
```

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

```
.border{ border-color:rgb(57, 191, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 191, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 191, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 191, 121);  
box-shadow:4px 4px 4px 4px rgb(57, 191,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5119, 0.2709, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 191, 121) }
```

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

```
.background{ background-color: rgb(57, 191,  
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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