

Converting Colors

Yxy(38.9934, 0.2736, 0.4423)

Have a look what the booklet for
Yxy(38.9934, 0.2736, 0.4423)
contains.

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Color

Yxy(39.0542, 0.2738, 0.4427)

Conversions

Conversions Part 1

Format	Color
Hex	44BD7B
RGB	68, 189, 123
RGB Percent	27%, 74%, 48%
CMY	0.7336, 0.2588, 0.5176
CMYK	0.64, 0.00, 0.35, 0.26
HSL	147°, 48%, 50%
HSV	147°, 64%, 74%
XYZ	24.1541, 39.0542, 25.0099
YIQ	145.2970, -50.9300, -46.1780

Conversions

Conversions Part 2

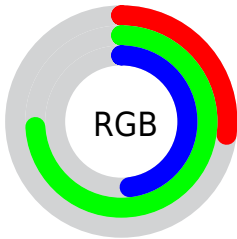
Format	Color
RYB	68, 151, 189
Decimal	4504955
CIELab	68.79, -48.77, 23.71
CIELCh	69, 54.228, 154.077
Yxy	39.0542, 0.2738, 0.4427
Android (android.graphics.Color)	4282695035 (0xFF44BD7B)
YUV	145.2970, -10.9924, -67.7895
Hunter-Lab	62.4934, -40.3718, 20.0175

Details

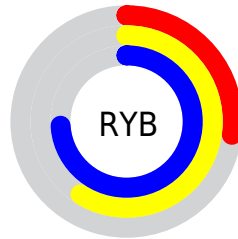
The Yxy color **39.0542, 0.2738, 0.4427** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **16.6656, 0.4003, 0.2439**, and the grayscale version is **28.4981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6353, 0.2824, 0.4184**, and **17.8224, 0.2667, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **38.2383, 0.2722, 0.4640**, and if you desaturate by 10%, it is **40.1193, 0.2771, 0.4216**.

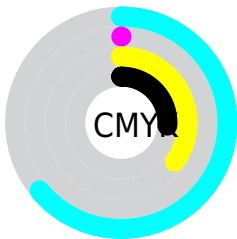
Distribution



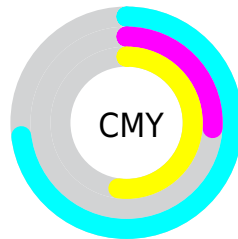
- Red (27%)
- Green (74%)
- Blue (48%)



- Red (27%)
- Yellow (59%)
- Blue (74%)



- Cyan (64%)
- Magenta (0%)
- Yellow (35%)
- Black (26%)





- Cyan (73%)
- Magenta (26%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0542, 0.2738, 0.4427 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 39.0542, 0.2738, 0.4427 by changing the saturation by 10% instead.

 39.0542, 0.2738,
0.4427


 39.0542, 0.2738,
0.4427


342.1209, 0.2958,
0.3804


 26.8019, 0.2674,
0.4602


 73.7211, 0.2824,
0.4186


 17.4245, 0.2586,
0.4839


 96.9045, 0.2855,
0.4100


 10.5376, 0.2457,
0.5175


 124.5004, 0.2880,
0.4029

 5.7568, 0.2256,
0.5684

 156.8931, 0.2900,
0.3970

 2.6978, 0.1922,
0.6593

 194.4672, 0.2918,
0.3919

 0.9761, 0.0000,
1.0000

237.6069, 0.2933,

 0.0000, 0.0000,

0.3875

0.0000

286.6966, 0.2946,
0.3837

■ 39.0542, 0.2738,
0.4427

■ 39.0542, 0.2738,
0.4427

■ 38.2383, 0.2722,
0.4640

■ 40.1193, 0.2771,
0.4216

■ 37.6442, 0.2725,
0.4849

■ 41.4488, 0.2820,
0.4014

■ 37.2460, 0.2748,
0.5047

■ 43.0620, 0.2879,
0.3823

■ 37.0703, 0.2766,
0.5159

■ 44.9750, 0.2947,
0.3647

■ 47.2028, 0.3020,
0.3487

■ 49.7592, 0.3096,
0.3344

■ 52.6574, 0.3173,
0.3216

■ 55.9095, 0.3248,
0.3103

■ 59.5274, 0.3322,
0.3004

Harmonies

Analogous

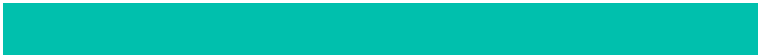
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0542, 0.3497, 0.4774



39.0542, 0.2738, 0.4427



39.0542, 0.2126, 0.3616

Triad

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



39.0542, 0.2738, 0.4427



39.0542, 0.2052, 0.2092



39.0542, 0.4661, 0.3464

Complementary

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



39.0542, 0.2738, 0.4427



16.6656, 0.4003, 0.2439

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.



39.0542, 0.4177, 0.2904



39.0542, 0.2738, 0.4427



39.0542, 0.2603, 0.2155

Square

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



39.0542, 0.2738, 0.4427



39.0542, 0.1783, 0.2294



39.0542, 0.3381, 0.2443



39.0542, 0.4647, 0.4049

Rectangle

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



39.0542, 0.2738, 0.4427



39.0542, 0.1875, 0.3053



39.0542, 0.3381, 0.2443



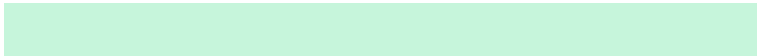
39.0542, 0.4552, 0.3271

Sweetspot

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



39.0558, 0.2738, 0.4427



82.3670, 0.2981, 0.3569



41.9268, 0.3509, 0.5045



17.4730, 0.2961, 0.3616



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.0558, 0.2738, 0.4427



67.9883, 0.2721, 0.4728



41.0422, 0.2400, 0.3383



10.7199, 0.3056, 0.3418



24.9548, 0.2760, 0.5135



0.9907, 0.2629, 0.4665

Inverse Universe

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



16.6656, 0.4003, 0.2439



24.7391, 0.4303, 0.2351



15.4407, 0.5070, 0.3223



9.6210, 0.3205, 0.3166



7.9539, 0.4746, 0.2388



0.3246, 0.4283, 0.2133

Previews

White Background



This preview shows how the Yxy color 39.0542, 0.2738, 0.4427 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 39.0542, 0.2738, 0.4427 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 39.0542, 0.2738, 0.4427

Background



This preview shows how black text looks on a background with the Yxy color 39.0542, 0.2738, 0.4427.



This preview shows how white text looks on a background with the Yxy color 39.0542, 0.2738, 0.4427.

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

39.0542, 0.2738, 0.4427

Protanopia

38.1680, 0.3741, 0.4029

Deuteranopia

38.3554, 0.3763, 0.3691



Tritanopia

38.8580, 0.2409, 0.3061

Trichromacy



Original Color

39.0542, 0.2738, 0.4427



Protanomaly

37.0454, 0.3277, 0.4186



Deuteranomaly

37.0477, 0.3295, 0.3965



Tritanomaly

38.5705, 0.2520, 0.3514

Monochromacy



Original Color

39.0542, 0.2738, 0.4427



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.0778, 0.2927, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0542, 0.2738, 0.4427 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(68, 189, 123)` looks like.

```
.text, #text, p{  
    color:rgb(68, 189, 123)  
}
```

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(68, 189, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 189, 123) }
```

Border

The CSS property to change the border of an element to Yxy 39.0542, 0.2738, 0.4427 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(68, 189, 123) }
```

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

```
.border{ border-color:rgb(68, 189, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 189, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 189, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 189, 123);  
box-shadow:4px 4px 4px 4px rgb(68, 189,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0542, 0.2738, 0.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 189, 123) }
```

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

```
.background{ background-color: rgb(68, 189,  
123) }
```

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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