

Converting Colors

$Yxy(38.8855, 0.2778, 0.4041)$

Have a look what the booklet for
Yxy(38.8855, 0.2778, 0.4041)
contains.

Yxy(39.0488, 0.2783, 0.4049)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.0488, 0.2783, 0.4049)

Conversions

Conversions Part 1

Format	Color
Hex	60B98B
RGB	96, 185, 139
RGB Percent	38%, 73%, 55%
CMY	0.6232, 0.2745, 0.4549
CMYK	0.48, 0.00, 0.25, 0.27
HSL	149°, 39%, 55%
HSV	149°, 48%, 73%
XYZ	26.8394, 39.0488, 30.5524
YIQ	153.1450, -38.2780, -33.1740

Conversions

Conversions Part 2

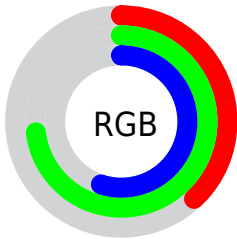
Format	Color
RYB	96, 156, 185
Decimal	6338955
CIELab	68.79, -37.43, 15.25
CIELCh	69, 40.415, 157.834
Yxy	39.0488, 0.2783, 0.4049
Android (android.graphics.Color)	4284529035 (0xFF60B98B)
YUV	153.1450, -6.9735, -50.1162
Hunter-Lab	62.4890, -32.6890, 14.7540

Details

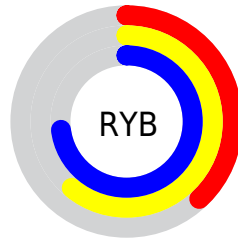
The Yxy color **39.0488, 0.2783, 0.4049** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **20.6479, 0.3738, 0.2654**, and the grayscale version is **31.9739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9338, 0.2850, 0.3892**, and **17.3659, 0.2658, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **37.8938, 0.2738, 0.4244**, and if you desaturate by 10%, it is **40.4676, 0.2841, 0.3864**.

Distribution



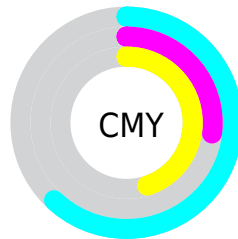
- Red (38%)
- Green (73%)
- Blue (55%)



- Red (38%)
- Yellow (61%)
- Blue (73%)



- Cyan (48%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)





- Cyan (62%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0488, 0.2783, 0.4049 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 39.0488, 0.2783, 0.4049 by changing the saturation by 10% instead.


 39.0488, 0.2783,
0.4049

 39.0488, 0.2783,
0.4049


342.0979, 0.2969,
0.3640

 26.7977, 0.2732,
0.4162


 73.7129, 0.2854,
0.3893

 17.4213, 0.2662,
0.4314


 96.8946, 0.2880,
0.3836

 10.5354, 0.2565,
0.4528


 124.4887, 0.2901,
0.3789

 5.7553, 0.2416,
0.4853

 156.8795, 0.2919,
0.3750

 2.6969, 0.2167,
0.5396

194.4514, 0.2934,
0.3716

 0.9756, 0.0110,
0.9890

237.5889, 0.2947,

 0.0000, 0.0000,

0.3687

0.0000

286.6762, 0.2959,
0.3662

■ 39.0488, 0.2783,
0.4049

■ 39.0488, 0.2783,
0.4049

■ 37.8938, 0.2738,
0.4244

■ 40.4676, 0.2841,
0.3864

■ 36.9803, 0.2709,
0.4445

■ 42.1613, 0.2909,
0.3693

■ 36.2904, 0.2699,
0.4647


■ 44.1458, 0.2984,
0.3535


■ 35.8011, 0.2708,
0.4843


■ 46.4347, 0.3062,
0.3394


■ 35.4765, 0.2735,
0.5030

■ 49.0405, 0.3143,
0.3267

 35.4218, 0.2740,
0.5065

 51.9751, 0.3223,
0.3154

 55.2498, 0.3302,
0.3055

 58.8751, 0.3378,
0.2968

 61.3973, 0.3390,
0.2883

Harmonies

Analogous

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



39.0488, 0.3362, 0.4367



39.0488, 0.2783, 0.4049



39.0488, 0.2324, 0.3463

Triad

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



39.0488, 0.2783, 0.4049



39.0488, 0.2342, 0.2356



39.0488, 0.4294, 0.3514

Complementary

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



39.0488, 0.2783, 0.4049



20.6479, 0.3738, 0.2654

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.



39.0488, 0.3972, 0.3059



39.0488, 0.2783, 0.4049



39.0488, 0.2805, 0.2423

Square

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



39.0488, 0.2783, 0.4049



39.0488, 0.2094, 0.2504



39.0488, 0.3405, 0.2674



39.0488, 0.4259, 0.3964

Rectangle

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



39.0488, 0.2783, 0.4049



39.0488, 0.2138, 0.3063



39.0488, 0.3405, 0.2674



39.0488, 0.4224, 0.3359

Sweetspot

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



39.0504, 0.2783, 0.4049



80.5783, 0.3014, 0.3479



41.4252, 0.3440, 0.4615



17.1873, 0.2997, 0.3510



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



39.0504, 0.2783, 0.4049



67.7115, 0.2735, 0.4261



40.5646, 0.2517, 0.3334



10.1304, 0.3052, 0.3411



24.1357, 0.2734, 0.5042



0.8634, 0.2598, 0.4553

Inverse Universe

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



20.6479, 0.3738, 0.2654



30.7174, 0.3951, 0.2530



19.5948, 0.4390, 0.3252



9.0877, 0.3209, 0.3172



7.6088, 0.4860, 0.2451



0.2807, 0.4325, 0.2156

Previews

White Background



This preview shows how the Yxy color 39.0488, 0.2783, 0.4049 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 39.0488, 0.2783, 0.4049 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 39.0488, 0.2783, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 39.0488, 0.2783, 0.4049.



This preview shows how white text looks on a background with the Yxy color 39.0488, 0.2783, 0.4049.

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

39.0488, 0.2783, 0.4049

Protanopia

38.7141, 0.3564, 0.3810

Deuteranopia

38.5797, 0.3582, 0.3520



Tritanopia

38.9616, 0.2518, 0.3079

Trichromacy



Original Color

39.0488, 0.2783, 0.4049



Protanomaly

38.2615, 0.3231, 0.3914



Deuteranomaly

37.7704, 0.3236, 0.3707



Tritanomaly

39.0681, 0.2612, 0.3413

Monochromacy



Original Color

39.0488, 0.2783, 0.4049



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

33.9539, 0.2970, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0488, 0.2783, 0.4049 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(96, 185, 139)` looks like.

```
.text, #text, p{  
    color:rgb(96, 185, 139)  
}
```

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(96, 185, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 185, 139) }
```

Border

The CSS property to change the border of an element to Yxy 39.0488, 0.2783, 0.4049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

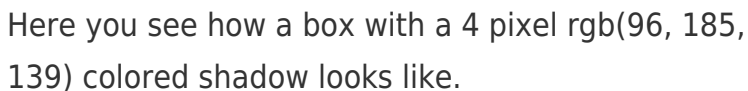
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 185, 139) }
```

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

```
.border{ border-color:rgb(96, 185, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 185, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 185, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 185, 139);  
box-shadow:4px 4px 4px 4px rgb(96, 185,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0488, 0.2783, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 185, 139) }
```

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

```
.background{ background-color: rgb(96, 185,  
139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor