

Converting Colors

$Yxy(39.5366, 0.2613, 0.4067)$

Have a look what the booklet for
Yxy(39.5366, 0.2613, 0.4067)
contains.

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Color

Yxy(39.5366, 0.2613, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	42BD8F
RGB	66, 189, 143
RGB Percent	26%, 74%, 56%
CMY	0.7411, 0.2588, 0.4393
CMYK	0.65, 0.00, 0.24, 0.26
HSL	158°, 48%, 50%
HSV	158°, 65%, 74%
XYZ	25.4018, 39.5366, 32.2748
YIQ	146.9790, -58.5420, -40.3820

Conversions

Conversions Part 2

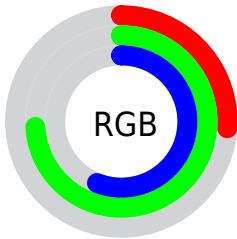
Format	Color
RYB	66, 142, 189
Decimal	4373903
CIELab	69.14, -44.91, 13.44
CIElCh	69, 46.876, 163.341
Yxy	39.5366, 0.2613, 0.4067
Android (android.graphics.Color)	4282563983 (0xFF42BD8F)
YUV	146.9790, -1.9616, -71.0186
Hunter-Lab	62.8781, -37.9255, 13.5817

Details

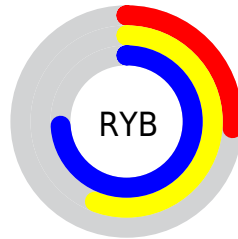
The Yxy color **39.5366, 0.2613, 0.4067** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.8869, 0.4399, 0.2702**, and the grayscale version is **29.1959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4548, 0.2715, 0.3904**, and **18.1183, 0.2530, 0.4309** is the 20% darker color. If you saturate the color by 10%, you get **38.7790, 0.2586, 0.4211**, and if you desaturate by 10%, it is **40.5277, 0.2659, 0.3926**.

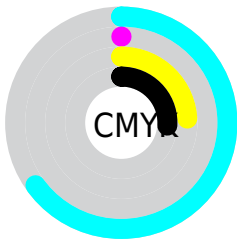
Distribution



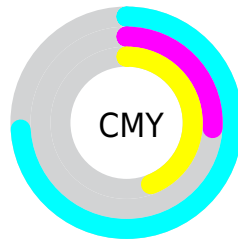
- Red (26%)
- Green (74%)
- Blue (56%)



- Red (26%)
- Yellow (56%)
- Blue (74%)



- Cyan (65%)
- Magenta (0%)
- Yellow (24%)
- Black (26%)




- Cyan (74%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5366, 0.2613, 0.4067 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 39.5366, 0.2613, 0.4067 by changing the saturation by 10% instead.


 39.5366, 0.2613,
0.4067

 39.5366, 0.2613,
0.4067


344.1665, 0.2885,
0.3649


 27.1774, 0.2540,
0.4182


 74.4573, 0.2716,
0.3908


 17.7065, 0.2443,
0.4336


 97.7877, 0.2753,
0.3850


 10.7395, 0.2309,
0.4553


 125.5439, 0.2784,
0.3802

 5.8919, 0.2111,
0.4880

 158.1104, 0.2811,
0.3762

 2.7795, 0.1795,
0.5423

 195.8715, 0.2833,
0.3727

 1.0177, 0.0000,
0.8627

239.2116, 0.2853,

 0.0000, 0.0000,

0.3698

0.0000

288.5151, 0.2870,
0.3672

■ 39.5366, 0.2613,
0.4067

■ 39.5366, 0.2613,
0.4067

■ 38.7790, 0.2586,
0.4211

■ 40.5277, 0.2659,
0.3926

■ 38.2276, 0.2579,
0.4356

■ 41.7672, 0.2721,
0.3791

■ 37.8565, 0.2592,
0.4498

■ 43.2739, 0.2797,
0.3663

■ 37.7119, 0.2602,
0.4567

■ 45.0637, 0.2883,
0.3544

■ 47.1511, 0.2977,
0.3435

■ 49.5497, 0.3076,
0.3336

■ 52.2720, 0.3177,
0.3248

■ 55.3301, 0.3279,
0.3169

■ 58.7353, 0.3379,
0.3099

Harmonies

Analogous

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



39.5366, 0.3259, 0.4516



39.5366, 0.2613, 0.4067



39.5366, 0.2138, 0.3349

Triad

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



39.5366, 0.2613, 0.4067



39.5366, 0.2310, 0.2228



39.5366, 0.4497, 0.3624

Complementary

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



39.5366, 0.2613, 0.4067



15.8869, 0.4399, 0.2702

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.



39.5366, 0.4200, 0.3109



39.5366, 0.2613, 0.4067



39.5366, 0.2871, 0.2347

Square

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



39.5366, 0.2613, 0.4067



39.5366, 0.1988, 0.2339



39.5366, 0.3574, 0.2660



39.5366, 0.4370, 0.4127

Rectangle

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



39.5366, 0.2613, 0.4067



39.5366, 0.1966, 0.2902



39.5366, 0.3574, 0.2660



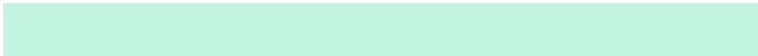
39.5366, 0.4445, 0.3450

Sweetspot

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



39.5382, 0.2613, 0.4067



82.4158, 0.2927, 0.3491



40.3113, 0.3340, 0.5176



17.5027, 0.2901, 0.3522



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.



39.5382, 0.2613, 0.4067



68.9955, 0.2581, 0.4272



35.3583, 0.2309, 0.3058



10.7474, 0.3033, 0.3377



25.3878, 0.2597, 0.4549



1.0067, 0.2503, 0.4211

Inverse Universe

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



15.8869, 0.4399, 0.2702



23.4895, 0.4849, 0.2672



17.0024, 0.5075, 0.3470



9.5938, 0.3231, 0.3204



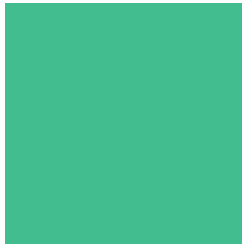
7.5965, 0.5453, 0.2778



0.3103, 0.4798, 0.2417

Previews

White Background



This preview shows how the Yxy color 39.5366, 0.2613, 0.4067 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 39.5366, 0.2613, 0.4067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

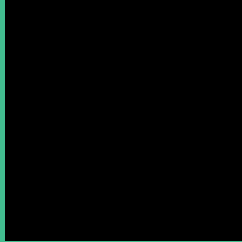
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5366, 0.2613, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 39.5366, 0.2613, 0.4067.

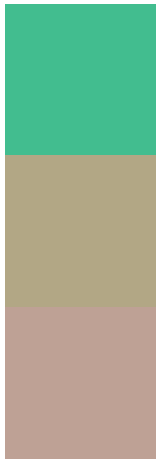


This preview shows how white text looks on a background with the Yxy color 39.5366, 0.2613, 0.4067.

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

39.5366, 0.2613, 0.4067

Protanopia

38.7959, 0.3536, 0.3768

Deuteranopia

38.6068, 0.3524, 0.3453



Tritanopia

39.5134, 0.2381, 0.3061

Trichromacy



Original Color

39.5366, 0.2613, 0.4067



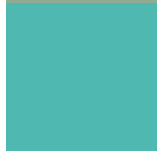
Protanomaly

37.7845, 0.3099, 0.3883



Deuteranomaly

37.2521, 0.3092, 0.3656



Tritanomaly

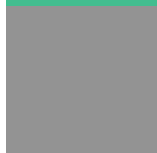
39.5345, 0.2463, 0.3415

Monochromacy



Original Color

39.5366, 0.2613, 0.4067



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.7675, 0.2864, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5366, 0.2613, 0.4067 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(66, 189, 143)` looks like.

```
.text, #text, p{  
    color:rgb(66, 189, 143)  
}
```

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(66, 189, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 189, 143) }
```

Border

The CSS property to change the border of an element to Yxy 39.5366, 0.2613, 0.4067 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(66, 189, 143) }
```

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

```
.border{ border-color:rgb(66, 189, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 189, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 189, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 189, 143);  
box-shadow:4px 4px 4px 4px rgb(66, 189,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5366, 0.2613, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 189, 143) }
```

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

```
.background{ background-color: rgb(66, 189,  
143) }
```

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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