

Converting Colors

$Yxy(39.3288, 0.2834, 0.4076)$

Have a look what the booklet for
Yxy(39.3288, 0.2834, 0.4076)
contains.

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Color

Yxy(39.3288, 0.2834, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	66B989
RGB	102, 185, 137
RGB Percent	40%, 73%, 54%
CMY	0.5999, 0.2745, 0.4628
CMYK	0.45, 0.00, 0.26, 0.27
HSL	145°, 37%, 56%
HSV	145°, 45%, 73%
XYZ	27.3449, 39.3288, 29.8150
YIQ	154.7110, -34.0600, -32.5240

Conversions

Conversions Part 2

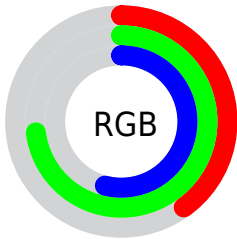
Format	Color
RYB	102, 160, 185
Decimal	6732169
CIELab	68.99, -36.25, 16.66
CIElCh	69, 39.898, 155.321
Yxy	39.3288, 0.2834, 0.4076
Android (android.graphics.Color)	4284922249 (0xFF66B989)
YUV	154.7110, -8.7315, -46.2275
Hunter-Lab	62.7127, -31.9150, 15.7111

Details

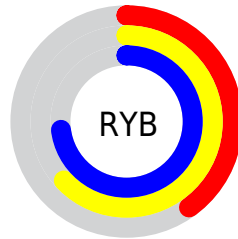
The Yxy color **39.3288, 0.2834, 0.4076** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **22.0236, 0.3611, 0.2628**, and the grayscale version is **32.6969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4339, 0.2894, 0.3912**, and **17.5251, 0.2728, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **38.0751, 0.2790, 0.4292**, and if you desaturate by 10%, it is **40.8573, 0.2889, 0.3872**.

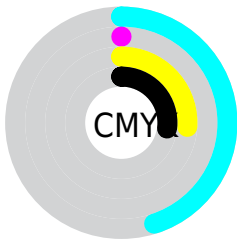
Distribution



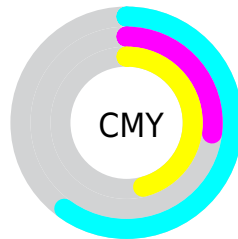
- Red (40%)
- Green (73%)
- Blue (54%)



- Red (40%)
- Yellow (63%)
- Blue (73%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (27%)



- Cyan (60%)
- Magenta (27%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3288, 0.2834, 0.4076 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 39.3288, 0.2834, 0.4076 by changing the saturation by 10% instead.


 39.3288, 0.2834,
0.4076


 39.3288, 0.2834,
0.4076


343.2864, 0.2994,
0.3652

 27.0156, 0.2789,
0.4193


 74.1403, 0.2896,
0.3914

 17.5849, 0.2728,
0.4350


 97.4075, 0.2918,
0.3856

 10.6524, 0.2641,
0.4572


 125.0947, 0.2936,
0.3807

 5.8336, 0.2507,
0.4907

 157.5865, 0.2952,
0.3766

 2.7442, 0.2277,
0.5466

195.2671, 0.2965,
0.3732

 0.9997, 0.0573,
0.9427

238.5211, 0.2976,

 0.0000, 0.0000,

0.3702

0.0000

287.7327, 0.2986,
0.3675

■ 39.3288, 0.2834,
0.4076

■ 39.3288, 0.2834,
0.4076

■ 38.0751, 0.2790,
0.4292

■ 40.8573, 0.2889,
0.3872

■ 37.0744, 0.2760,
0.4516

■ 42.6715, 0.2953,
0.3684

■ 36.3091, 0.2748,
0.4741


■ 44.7874, 0.3021,
0.3512

■ 35.7572, 0.2754,
0.4959


■ 47.2182, 0.3092,
0.3358


■ 35.3920, 0.2779,
0.5163


■ 49.9766, 0.3164,
0.3222

 35.2483, 0.2795,
0.5262

 53.0744, 0.3235,
0.3101

 56.5230, 0.3304,
0.2995

 60.3330, 0.3370,
0.2902

 61.8598, 0.3325,
0.2804

Harmonies

Analogous

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



39.3288, 0.3408, 0.4358



39.3288, 0.2834, 0.4076



39.3288, 0.2366, 0.3512

Triad

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



39.3288, 0.2834, 0.4076



39.3288, 0.2324, 0.2372



39.3288, 0.4263, 0.3474

Complementary

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



39.3288, 0.2834, 0.4076



22.0236, 0.3611, 0.2628

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.



39.3288, 0.3919, 0.3028



39.3288, 0.2834, 0.4076



39.3288, 0.2765, 0.2422

Square

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



39.3288, 0.2834, 0.4076



39.3288, 0.2098, 0.2538



39.3288, 0.3350, 0.2656



39.3288, 0.4259, 0.3921

Rectangle

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



39.3288, 0.2834, 0.4076



39.3288, 0.2169, 0.3114



39.3288, 0.3350, 0.2656



39.3288, 0.4184, 0.3321

Sweetspot

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



39.3304, 0.2834, 0.4076



80.8883, 0.3033, 0.3486



42.1826, 0.3462, 0.4507



17.2437, 0.3017, 0.3521



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.



39.3304, 0.2834, 0.4076



68.1856, 0.2790, 0.4293



40.7422, 0.2573, 0.3395



10.1213, 0.3060, 0.3425



24.0144, 0.2788, 0.5238



0.8590, 0.2642, 0.4711

Inverse Universe

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



22.0236, 0.3611, 0.2628



33.1900, 0.3771, 0.2493



20.9235, 0.4203, 0.3195



9.0970, 0.3200, 0.3159



7.7610, 0.4606, 0.2311



0.2857, 0.4155, 0.2062

Previews

White Background



This preview shows how the Yxy color 39.3288, 0.2834, 0.4076 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 39.3288, 0.2834, 0.4076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

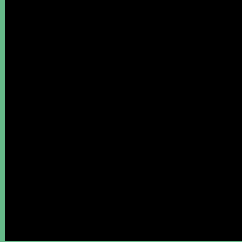
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3288, 0.2834, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 39.3288, 0.2834, 0.4076.



This preview shows how white text looks on a background with the Yxy color 39.3288, 0.2834, 0.4076.

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

39.3288, 0.2834, 0.4076

Protanopia

38.8061, 0.3583, 0.3823

Deuteranopia

38.7802, 0.3622, 0.3545



Tritanopia

39.2914, 0.2549, 0.3081

Trichromacy



Original Color

39.3288, 0.2834, 0.4076



Protanomaly

38.5174, 0.3267, 0.3924



Deuteranomaly

38.1165, 0.3291, 0.3733



Tritanomaly

39.3413, 0.2649, 0.3428

Monochromacy



Original Color

39.3288, 0.2834, 0.4076



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.6448, 0.3005, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3288, 0.2834, 0.4076 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(102, 185, 137)` looks like.

```
.text, #text, p{  
    color:rgb(102, 185, 137)  
}
```

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(102, 185, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 185, 137) }
```

Border

The CSS property to change the border of an element to Yxy 39.3288, 0.2834, 0.4076 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(102, 185, 137) }
```

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

```
.border{ border-color:rgb(102, 185, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 185, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 185, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 185, 137);  
box-shadow:4px 4px 4px 4px rgb(102, 185,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3288, 0.2834, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 185, 137) }
```

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

```
.background{ background-color: rgb(102,  
185, 137) }
```

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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