

Converting Colors

$Yxy(39.9489, 0.2734, 0.3632)$

Have a look what the booklet for
Yxy(39.9489, 0.2734, 0.3632)
contains.

Yxy(39.8849, 0.2738, 0.3634)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8849, 0.2738, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	70B7A1
RGB	112, 183, 161
RGB Percent	44%, 72%, 63%
CMY	0.5606, 0.2824, 0.3687
CMYK	0.39, 0.00, 0.12, 0.28
HSL	161°, 33%, 58%
HSV	161°, 39%, 72%
XYZ	30.0509, 39.8849, 39.8190
YIQ	159.2630, -35.2540, -21.8940

Conversions

Conversions Part 2

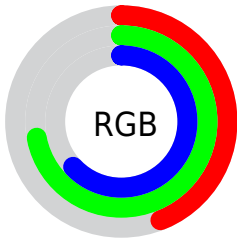
Format	Color
RYB	112, 154, 183
Decimal	7387041
CIELab	69.39, -27.42, 4.20
CIElCh	69, 27.744, 171.300
Yxy	39.8849, 0.2738, 0.3634
Android (android.graphics.Color)	4285577121 (0xFF70B7A1)
YUV	159.2630, 0.8563, -41.4497
Hunter-Lab	63.1545, -25.5845, 6.8257

Details

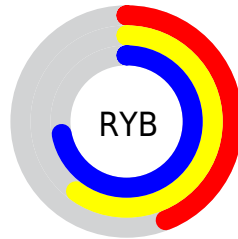
The Yxy color **39.8849, 0.2738, 0.3634** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.3896, 0.3772, 0.2977**, and the grayscale version is **34.8103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7979, 0.2808, 0.3560**, and **18.0209, 0.2615, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **38.6091, 0.2661, 0.3741**, and if you desaturate by 10%, it is **41.4170, 0.2827, 0.3534**.

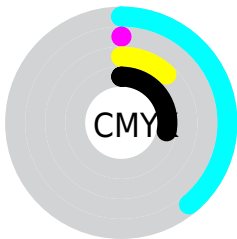
Distribution



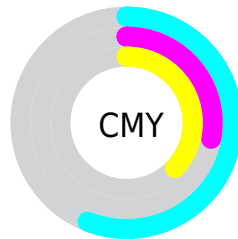
- Red (44%)
- Green (72%)
- Blue (63%)



- Red (44%)
- Yellow (60%)
- Blue (72%)



- Cyan (39%)
- Magenta (0%)
- Yellow (12%)
- Black (28%)





- Cyan (56%)
- Magenta (28%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8849, 0.2738, 0.3634 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 39.8849, 0.2738, 0.3634 by changing the saturation by 10% instead.


 39.8849, 0.2738,
0.3634


 39.8849, 0.2738,
0.3634


345.6382, 0.2939,
0.3454

 27.4488, 0.2686,
0.3681


 74.9882, 0.2812,
0.3567


 17.9106, 0.2618,
0.3744


 98.4242, 0.2840,
0.3542

 10.8858, 0.2525,
0.3831


 126.2957, 0.2863,
0.3522

 5.9901, 0.2391,
0.3957

 158.9869, 0.2883,
0.3504

 2.8391, 0.2182,
0.4160

196.8824, 0.2900,
0.3489

 1.0483, 0.1444,
0.4755

240.3666, 0.2914,

 0.0000, 0.0000,

0.3476

0.0000

289.8237, 0.2927,
0.3465

■ 39.8849, 0.2738,
0.3634

■ 39.8849, 0.2738,
0.3634

■ 38.6091, 0.2661,
0.3741

■ 41.4170, 0.2827,
0.3534

■ 37.5698, 0.2599,
0.3853

■ 43.2143, 0.2926,
0.3442

■ 36.7520, 0.2554,
0.3968


■ 45.2912, 0.3032,
0.3357


■ 36.1369, 0.2529,
0.4086


■ 47.6595, 0.3141,
0.3281

■ 35.7024, 0.2524,
0.4204

■ 50.3305, 0.3252,
0.3213


 35.4101, 0.2536,
0.4320

 53.3148, 0.3362,
0.3152

 35.3775, 0.2537,
0.4334

 56.6224, 0.3471,
0.3099

 59.6032, 0.3548,
0.3049

 59.8851, 0.3500,
0.2992

Harmonies

Analogous

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



39.8849, 0.3120, 0.3937



39.8849, 0.2738, 0.3634



39.8849, 0.2471, 0.3234

Triad

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



39.8849, 0.2738, 0.3634



39.8849, 0.2713, 0.2632



39.8849, 0.3944, 0.3614

Complementary

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



39.8849, 0.2738, 0.3634



23.3896, 0.3772, 0.2977

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.



39.8849, 0.3826, 0.3284



39.8849, 0.2738, 0.3634



39.8849, 0.3092, 0.2740

Square

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



39.8849, 0.2738, 0.3634



39.8849, 0.2458, 0.2677



39.8849, 0.3505, 0.2973



39.8849, 0.3826, 0.3891

Rectangle

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



39.8849, 0.2738, 0.3634



39.8849, 0.2385, 0.2989



39.8849, 0.3505, 0.2973



39.8849, 0.3931, 0.3506

Sweetspot

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



39.8865, 0.2738, 0.3634



79.7846, 0.2995, 0.3385



40.1482, 0.3256, 0.4390



17.5142, 0.2981, 0.3396



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.



39.8865, 0.2738, 0.3634



69.3575, 0.2668, 0.3730



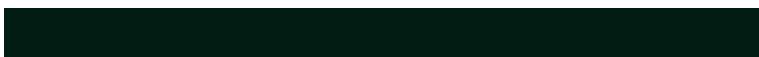
35.6129, 0.2567, 0.3088



10.1619, 0.3025, 0.3362



24.6932, 0.2533, 0.4320



0.8811, 0.2450, 0.4021

Inverse Universe

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



23.3896, 0.3772, 0.2977



35.4211, 0.4002, 0.2907



25.9195, 0.4000, 0.3480



9.0569, 0.3240, 0.3219



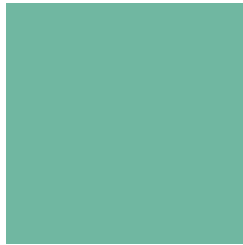
7.2389, 0.5692, 0.2909



0.2667, 0.4942, 0.2496

Previews

White Background



This preview shows how the Yxy color 39.8849, 0.2738, 0.3634 looks on a white background.

Color Contrast Check

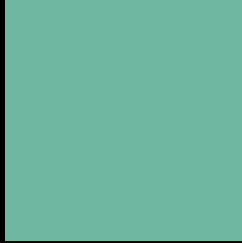
Large Text (above 18pt) WCAG AA × Fail

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 39.8849, 0.2738, 0.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

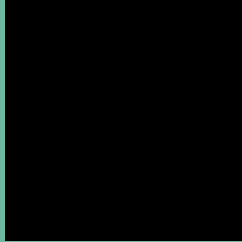
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

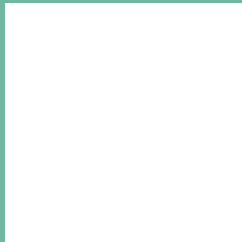
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8849, 0.2738, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 39.8849, 0.2738, 0.3634.



This preview shows how white text looks on a background with the Yxy color 39.8849, 0.2738, 0.3634.

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

39.8849, 0.2738, 0.3634

Protanopia

39.4191, 0.3324, 0.3500

Deuteranopia

39.3501, 0.3329, 0.3264



Tritanopia

39.6841, 0.2574, 0.3068

Trichromacy



Original Color

39.8849, 0.2738, 0.3634

Protanomaly

38.9628, 0.3080, 0.3541

Deuteranomaly

38.8007, 0.3078, 0.3376

Tritanomaly

39.7606, 0.2634, 0.3273

Monochromacy



Original Color

39.8849, 0.2738, 0.3634

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.2941, 0.2961, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8849, 0.2738, 0.3634 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(112, 183, 161)` looks like.

```
.text, #text, p{  
    color:rgb(112, 183, 161)  
}
```

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(112, 183, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 183, 161) }
```

Border

The CSS property to change the border of an element to Yxy 39.8849, 0.2738, 0.3634 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(112, 183, 161) }
```

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

```
.border{ border-color:rgb(112, 183, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 183, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 183, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 183, 161);  
box-shadow:4px 4px 4px 4px rgb(112, 183,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8849, 0.2738, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 183, 161) }
```

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

```
.background{ background-color: rgb(112,  
183, 161) }
```

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