

Converting Colors

$Yxy(39.2828, 0.2445, 0.3939)$

Have a look what the booklet for
Yxy(39.2828, 0.2445, 0.3939)
contains.

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Color

Yxy(39.2324, 0.2445, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	13BE98
RGB	19, 190, 152
RGB Percent	7%, 75%, 60%
CMY	0.9264, 0.2549, 0.4039
CMYK	0.90, 0.00, 0.20, 0.25
HSL	167°, 82%, 41%
HSV	167°, 90%, 75%
XYZ	24.3460, 39.2324, 35.9962
YIQ	134.5390, -89.7180, -48.0700

Conversions

Conversions Part 2

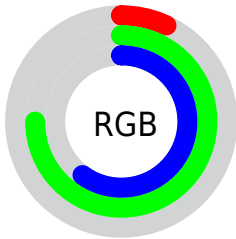
Format	Color
RYB	19, 115, 190
Decimal	1293976
CIELab	68.92, -48.49, 8.12
CIELCh	69, 49.166, 170.493
Yxy	39.2324, 0.2445, 0.3940
Android (android.graphics.Color)	4279484056 (0xFF13BE98)
YUV	134.5390, 8.6083, -101.3277
Hunter-Lab	62.6358, -40.2312, 9.7716

Details

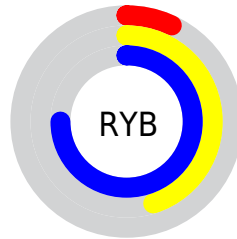
The Yxy color **39.2324, 0.2445, 0.3940** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.6990, 0.5718, 0.3013**, and the grayscale version is **24.0154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8613, 0.2579, 0.3810**, and **18.2675, 0.2473, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **38.9638, 0.2450, 0.4020**, and if you desaturate by 10%, it is **39.6461, 0.2455, 0.3859**.

Distribution



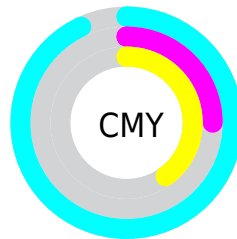
- Red (7%)
- Green (75%)
- Blue (60%)



- Red (7%)
- Yellow (45%)
- Blue (75%)



- Cyan (90%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)




- Cyan (93%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2324, 0.2445, 0.3940 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 39.2324, 0.2445, 0.3940 by changing the saturation by 10% instead.


 39.2324, 0.2445,
0.3940


 39.2324, 0.2445,
0.3940


342.8775, 0.2799,
0.3595


 26.9406, 0.2353,
0.4033


 73.9932, 0.2577,
0.3810

 17.5286, 0.2232,
0.4157


 97.2310, 0.2625,
0.3762


 10.6121, 0.2069,
0.4329


 124.8862, 0.2666,
0.3723

 5.8066, 0.1835,
0.4585

 157.3432, 0.2700,
0.3689

 2.7279, 0.1479,
0.4998

 194.9865, 0.2730,
0.3660

 0.9914, 0.0000,
0.6615

238.2004, 0.2756,

 0.0000, 0.0000,

0.3636

0.0000

287.3692, 0.2779,
0.3614

■ 39.2324, 0.2445,
0.3940

■ 39.2324, 0.2445,
0.3940

■ 38.9638, 0.2450,
0.4020

■ 39.6461, 0.2455,
0.3859

■ 40.2470, 0.2484,
0.3777

■ 41.0616, 0.2533,
0.3697

■ 42.1107, 0.2600,
0.3618

■ 43.4129, 0.2683,
0.3543

■ 44.9846, 0.2780,
0.3473

■ 46.8412, 0.2888,
0.3407

■ 48.9965, 0.3004,
0.3346

■ 51.4637, 0.3126,
0.3291

Harmonies

Analogous

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



39.2324, 0.3092, 0.4517



39.2324, 0.2445, 0.3940



39.2324, 0.2013, 0.3170

Triad

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



39.2324, 0.2445, 0.3940



39.2324, 0.2390, 0.2191



39.2324, 0.4572, 0.3762

Complementary

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



39.2324, 0.2445, 0.3940



11.6990, 0.5718, 0.3013

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.



39.2324, 0.4369, 0.3221



39.2324, 0.2445, 0.3940



39.2324, 0.3025, 0.2367

Square

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



39.2324, 0.2445, 0.3940



39.2324, 0.1994, 0.2244



39.2324, 0.3771, 0.2732



39.2324, 0.4337, 0.4272

Rectangle

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



39.2324, 0.2445, 0.3940



39.2324, 0.1882, 0.2735



39.2324, 0.3771, 0.2732



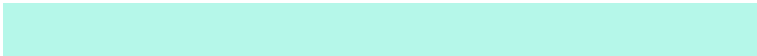
39.2324, 0.4556, 0.3580

Sweetspot

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



39.2339, 0.2445, 0.3940



82.3634, 0.2808, 0.3454



37.7982, 0.3128, 0.5820



17.8470, 0.2773, 0.3478



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



39.2339, 0.2445, 0.3940



70.5618, 0.2454, 0.4032



23.9045, 0.2044, 0.2495



10.7723, 0.3014, 0.3341



25.9182, 0.2447, 0.4009



1.0244, 0.2393, 0.3816

Inverse Universe

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



11.6990, 0.5718, 0.3013



20.1127, 0.6054, 0.3109



14.7095, 0.5782, 0.3664



9.5701, 0.3254, 0.3239



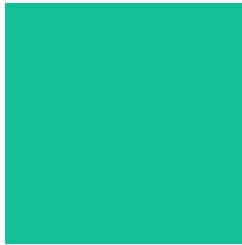
7.4011, 0.5988, 0.3072



0.3000, 0.5308, 0.2698

Previews

White Background



This preview shows how the Yxy color 39.2324, 0.2445, 0.3940 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 39.2324, 0.2445, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

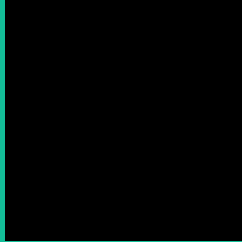
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2324, 0.2445, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 39.2324, 0.2445, 0.3940.

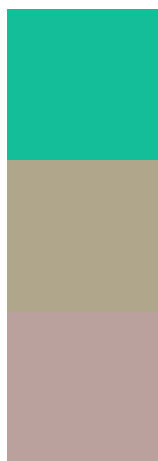


This preview shows how white text looks on a background with the Yxy color 39.2324, 0.2445, 0.3940.

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

39.2324, 0.2445, 0.3940

Protanopia

38.3960, 0.3455, 0.3657

Deuteranopia

38.3975, 0.3398, 0.3331



Tritanopia

39.3343, 0.2273, 0.3057

Trichromacy



Original Color

39.2324, 0.2445, 0.3940



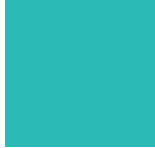
Protanomaly

36.5955, 0.2897, 0.3791



Deuteranomaly

36.2653, 0.2853, 0.3542



Tritanomaly

39.0307, 0.2322, 0.3352

Monochromacy



Original Color

39.2324, 0.2445, 0.3940



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.3096, 0.2682, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2324, 0.2445, 0.3940 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(19, 190, 152)` looks like.

```
.text, #text, p{  
    color:rgb(19, 190, 152)  
}
```

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(19, 190, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 190, 152) }
```

Border

The CSS property to change the border of an element to Yxy 39.2324, 0.2445, 0.3940 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(19, 190, 152) }
```

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

```
.border{ border-color:rgb(19, 190, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 190, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 190, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 190, 152);  
box-shadow:4px 4px 4px 4px rgb(19, 190,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2324, 0.2445, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 190, 152) }
```

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

```
.background{ background-color: rgb(19, 190,  
152) }
```

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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