

Converting Colors

$Y_{xy}(39.1685, 0.2531, 0.4236)$

Have a look what the booklet for
Yxy(39.1685, 0.2531, 0.4236)
contains.

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Color

Yxy(39.2272, 0.2531, 0.4232)

Conversions

Conversions Part 1

Format	Color
Hex	15BF89
RGB	21, 191, 137
RGB Percent	8%, 75%, 54%
CMY	0.9165, 0.2510, 0.4627
CMYK	0.89, 0.00, 0.28, 0.25
HSL	161°, 80%, 42%
HSV	161°, 89%, 75%
XYZ	23.4603, 39.2272, 30.0044
YIQ	134.0140, -83.9860, -52.8340

Conversions

Conversions Part 2

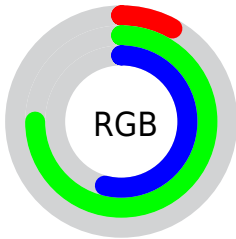
Format	Color
RYB	21, 122, 191
Decimal	1425289
CIELab	68.92, -52.37, 16.26
CIELCh	69, 54.838, 162.754
Yxy	39.2272, 0.2531, 0.4232
Android (android.graphics.Color)	4279615369 (0xFF15BF89)
YUV	134.0140, 1.4721, -99.1133
Hunter-Lab	62.6316, -42.7435, 15.4386

Details

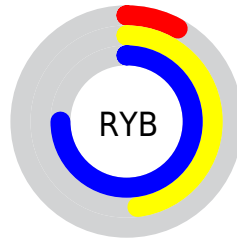
The Yxy color **39.2272, 0.2531, 0.4232** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.1350, 0.5357, 0.2822**, and the grayscale version is **23.8968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7800, 0.2649, 0.4025**, and **18.2964, 0.2579, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **38.9107, 0.2544, 0.4351**, and if you desaturate by 10%, it is **39.7045, 0.2535, 0.4111**.

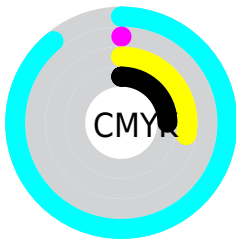
Distribution



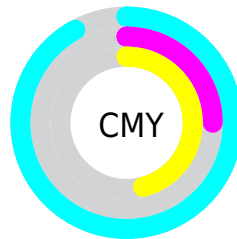
- Red (8%)
- Green (75%)
- Blue (54%)



- Red (8%)
- Yellow (48%)
- Blue (75%)



- Cyan (89%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)



- Cyan (92%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2272, 0.2531, 0.4232 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 39.2272, 0.2531, 0.4232 by changing the saturation by 10% instead.


 39.2272, 0.2531,
0.4232


 39.2272, 0.2531,
0.4232


342.8555, 0.2849,
0.3720

 26.9365, 0.2445,
0.4374


 73.9853, 0.2652,
0.4036


 17.5256, 0.2330,
0.4565


 97.2215, 0.2695,
0.3965


 10.6099, 0.2171,
0.4837


 124.8749, 0.2732,
0.3907

 5.8052, 0.1936,
0.5247

 157.3301, 0.2763,
0.3858

 2.7270, 0.1550,
0.5937

 194.9713, 0.2789,
0.3816

 0.9909, 0.0000,
1.0000

238.1830, 0.2812,

 0.0000, 0.0000,

0.3780

0.0000

287.3496, 0.2832,
0.3748

■ 39.2272, 0.2531,
0.4232

■ 39.2272, 0.2531,
0.4232

■ 38.9107, 0.2544,
0.4351

■ 39.7045, 0.2535,
0.4111

■ 38.8776, 0.2546,
0.4365

■ 40.3798, 0.2559,
0.3990

■ 41.2792, 0.2602,
0.3870

■ 42.4237, 0.2664,
0.3755

■ 43.8318, 0.2740,
0.3645

■ 45.5203, 0.2829,
0.3542

■ 47.5043, 0.2927,
0.3447

■ 49.7981, 0.3031,
0.3360

■ 52.4148, 0.3140,
0.3281

Harmonies

Analogous

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



39.2272, 0.3275, 0.4753



39.2272, 0.2531, 0.4232



39.2272, 0.1990, 0.3363

Triad

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



39.2272, 0.2531, 0.4232



39.2272, 0.2175, 0.2075



39.2272, 0.4724, 0.3634

Complementary

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



39.2272, 0.2531, 0.4232



12.1350, 0.5357, 0.2822

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.



39.2272, 0.4374, 0.3057



39.2272, 0.2531, 0.4232



39.2272, 0.2807, 0.2209

Square

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



39.2272, 0.2531, 0.4232



39.2272, 0.1821, 0.2196



39.2272, 0.3628, 0.2556



39.2272, 0.4566, 0.4217

Rectangle

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



39.2272, 0.2531, 0.4232



39.2272, 0.1798, 0.2834



39.2272, 0.3628, 0.2556



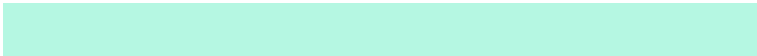
39.2272, 0.4665, 0.3438

Sweetspot

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



39.2287, 0.2531, 0.4232



82.0038, 0.2842, 0.3528



38.9289, 0.3225, 0.5732



17.7593, 0.2810, 0.3562



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.



39.2287, 0.2531, 0.4232



69.5876, 0.2551, 0.4383



30.0165, 0.2134, 0.2814



10.7565, 0.3026, 0.3364



25.5664, 0.2541, 0.4349



1.0129, 0.2462, 0.4063

Inverse Universe

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



12.1350, 0.5357, 0.2822



20.3979, 0.5742, 0.2937



13.3765, 0.5950, 0.3499



9.5851, 0.3240, 0.3217



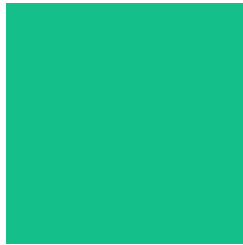
7.5121, 0.5668, 0.2896



0.3065, 0.4972, 0.2513

Previews

White Background



This preview shows how the Yxy color 39.2272, 0.2531, 0.4232 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 39.2272, 0.2531, 0.4232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

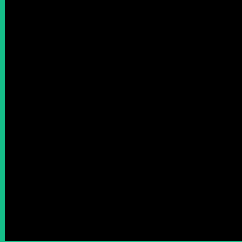
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2272, 0.2531, 0.4232

Background



This preview shows how black text looks on a background with the Yxy color 39.2272, 0.2531, 0.4232.



This preview shows how white text looks on a background with the Yxy color 39.2272, 0.2531, 0.4232.

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

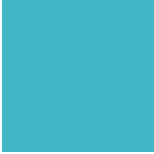
39.2272, 0.2531, 0.4232

Protanopia

38.7275, 0.3610, 0.3865

Deuteranopia

38.5797, 0.3582, 0.3520



Tritanopia

39.1024, 0.2297, 0.3057

Trichromacy



Original Color

39.2272, 0.2531, 0.4232



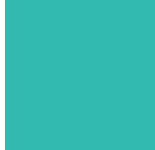
Protanomaly

36.7999, 0.3026, 0.4037



Deuteranomaly

36.0953, 0.3000, 0.3785



Tritanomaly

38.9305, 0.2368, 0.3451

Monochromacy



Original Color

39.2272, 0.2531, 0.4232



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.5191, 0.2738, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2272, 0.2531, 0.4232 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(21, 191, 137)` looks like.

```
.text, #text, p{  
  color:rgb(21, 191, 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(21, 191, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 191, 137) }
```

Border

The CSS property to change the border of an element to Yxy 39.2272, 0.2531, 0.4232 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(21, 191, 137) }
```

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

```
.border{ border-color:rgb(21, 191, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 191, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(21, 191, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(21, 191, 137); box-shadow:4px 4px 4px 4px rgb(21, 191, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2272, 0.2531, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 191, 137) }
```

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

```
.background{ background-color: rgb(21, 191,  
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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