

Converting Colors

$Yxy(34.0472, 0.2471, 0.4112)$

Have a look what the booklet for
Yxy(34.0472, 0.2471, 0.4112)
contains.

Yxy(33.9895, 0.2472, 0.4101)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.9895, 0.2472, 0.4101)

Conversions

Conversions Part 1

Format	Color
Hex	00B387
RGB	0, 179, 135
RGB Percent	0%, 70%, 53%
CMY	1.0000, 0.2980, 0.4706
CMYK	1.00, 0.00, 0.25, 0.30
HSL	165°, 100%, 35%
HSV	165°, 100%, 70%
XYZ	20.4882, 33.9895, 28.4033
YIQ	120.4630, -92.5600, -51.6320

Conversions

Conversions Part 2

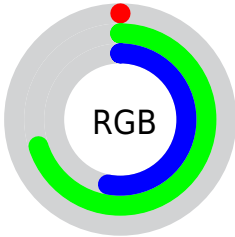
Format	Color
RYB	0, 102, 179
Decimal	45959
CIELab	64.95, -49.15, 11.79
CIELCh	65, 50.539, 166.515
Yxy	33.9895, 0.2472, 0.4101
Android (android.graphics.Color)	4278236039 (0xFF00B387)
YUV	120.4630, 7.1667, -105.6461
Hunter-Lab	58.3005, -39.2968, 11.9250

Details

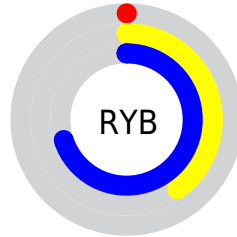
The Yxy color **33.9895, 0.2472, 0.4101** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.7670, 0.5938, 0.3045**, and the grayscale version is **18.9397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0546, 0.2609, 0.3935**, and **15.3231, 0.2537, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **33.9943, 0.2473, 0.4101**, and if you desaturate by 10%, it is **34.2485, 0.2466, 0.4011**.

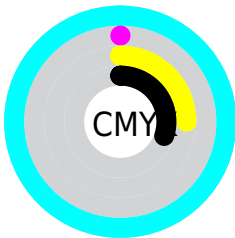
Distribution



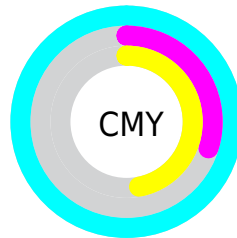
- Red (0%)
- Green (70%)
- Blue (53%)



- Red (0%)
- Yellow (40%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9895, 0.2472, 0.4101 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 33.9895, 0.2472, 0.4101 by changing the saturation by 10% instead.


 33.9895, 0.2472,
0.4101


 33.9895, 0.2472,
0.4101


 320.0852, 0.2824,
0.3655

 22.8855, 0.2376,
0.4228


 65.9173, 0.2606,
0.3928

 14.5090, 0.2247,
0.4400


 87.5100, 0.2655,
0.3867

 8.4755, 0.2066,
0.4648


 113.3677, 0.2695,
0.3816

 4.4007, 0.1798,
0.5033

 143.8748, 0.2729,
0.3773

 1.9001, 0.1149,
0.5842

 179.4157, 0.2758,
0.3737

 0.5485, 0.0000,
1.0000

 220.3748, 0.2783,

 0.0000, 0.0000,

0.3706

0.0000

267.1365, 0.2805,
0.3679

■ 33.9895, 0.2472,
0.4101

■ 33.9895, 0.2472,
0.4101

■ 33.9943, 0.2473,
0.4101

■ 34.2485, 0.2466,
0.4011

■ 34.6242, 0.2475,
0.3920

■ 35.1657, 0.2503,
0.3829

■ 35.8945, 0.2551,
0.3740

■ 36.8285, 0.2616,
0.3653

■ 37.9837, 0.2697,
0.3569

■ 39.3744, 0.2792,
0.3491

■ 41.0136, 0.2897,
0.3418

■ 42.9134, 0.3010,
0.3351

Harmonies

Analogous

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



33.9895, 0.3180, 0.4668



33.9895, 0.2472, 0.4101



33.9895, 0.1978, 0.3260

Triad

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



33.9895, 0.2472, 0.4101



33.9895, 0.2266, 0.2112



33.9895, 0.4681, 0.3703

Complementary

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



33.9895, 0.2472, 0.4101



9.7670, 0.5938, 0.3045

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.



33.9895, 0.4401, 0.3135



33.9895, 0.2472, 0.4101



33.9895, 0.2912, 0.2270

Square

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



33.9895, 0.2472, 0.4101



33.9895, 0.1885, 0.2198



33.9895, 0.3714, 0.2632



33.9895, 0.4476, 0.4262

Rectangle

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



33.9895, 0.2472, 0.4101



33.9895, 0.1816, 0.2769



33.9895, 0.3714, 0.2632



33.9895, 0.4643, 0.3511

Sweetspot

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



33.9943, 0.2473, 0.4101



70.3714, 0.2787, 0.3495



32.7973, 0.3103, 0.5918



15.3512, 0.2746, 0.3527



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.9943, 0.2473, 0.4101



60.8367, 0.2477, 0.4116



20.3770, 0.2017, 0.2461



9.5951, 0.3017, 0.3347



24.0292, 0.2470, 0.4090



0.7646, 0.2400, 0.3840

Inverse Universe

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



9.7670, 0.5938, 0.3045



17.4600, 0.5976, 0.3066



11.4431, 0.6073, 0.3560



8.5384, 0.3250, 0.3234



6.9098, 0.5909, 0.3029



0.2268, 0.5118, 0.2593

Previews

White Background



This preview shows how the Yxy color 33.9895, 0.2472, 0.4101 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 33.9895, 0.2472, 0.4101 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 33.9895, 0.2472, 0.4101

Background



This preview shows how black text looks on a background with the Yxy color 33.9895, 0.2472, 0.4101.

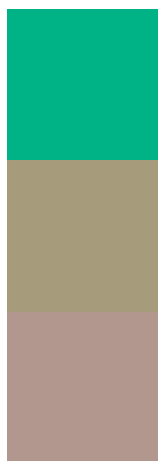


This preview shows how white text looks on a background with the Yxy color 33.9895, 0.2472, 0.4101.

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

33.9895, 0.2472, 0.4101

Protanopia

33.3392, 0.3533, 0.3769

Deuteranopia

33.4034, 0.3496, 0.3434



Tritanopia

33.9201, 0.2282, 0.3059

Trichromacy



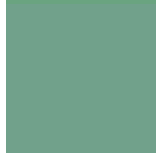
Original Color

33.9895, 0.2472, 0.4101



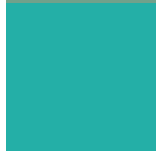
Protanomaly

31.1736, 0.2907, 0.3921



Deuteranomaly

30.8645, 0.2876, 0.3666



Tritanomaly

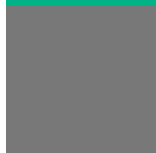
33.8250, 0.2333, 0.3426

Monochromacy



Original Color

33.9895, 0.2472, 0.4101



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.0669, 0.2653, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9895, 0.2472, 0.4101 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(0, 179, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 135)  
}
```

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(0, 179, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 135) }
```

Border

The CSS property to change the border of an element to Yxy 33.9895, 0.2472, 0.4101 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(0, 179, 135) }
```

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

```
.border{ border-color:rgb(0, 179, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9895, 0.2472, 0.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 135) }
```

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

```
.background{ background-color: rgb(0, 179,  
135) }
```

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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