

Converting Colors

$Y_{xy}(32.2491, 0.2080, 0.4049)$

Have a look what the booklet for
Yxy(32.2491, 0.2080, 0.4049)
contains.

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Color

Yxy(34.5955, 0.2439, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	00B48E
RGB	0, 180, 142
RGB Percent	0%, 71%, 56%
CMY	0.9985, 0.2941, 0.4432
CMYK	1.00, 0.00, 0.21, 0.29
HSL	167°, 100%, 35%
HSV	167°, 100%, 71%
XYZ	21.2059, 34.5955, 31.1438
YIQ	121.8480, -95.0820, -49.9780

Conversions

Conversions Part 2

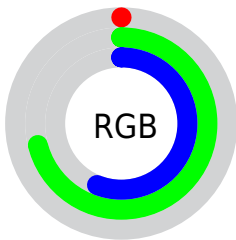
Format	Color
RYB	0, 101, 180
Decimal	46222
CIELab	65.43, -47.75, 8.63
CIELCh	65, 48.519, 169.760
Yxy	34.5955, 0.2439, 0.3979
Android (android.graphics.Color)	4278236302 (0xFF00B48E)
YUV	121.8480, 9.9349, -106.8607
Hunter-Lab	58.8179, -38.5759, 9.7788

Details

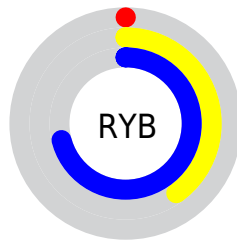
The Yxy color **34.5955, 0.2439, 0.3979** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.8538, 0.6033, 0.3099**, and the grayscale version is **19.4380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0407, 0.2577, 0.3833**, and **15.6944, 0.2488, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **34.5920, 0.2439, 0.3981**, and if you desaturate by 10%, it is **34.8431, 0.2436, 0.3903**.

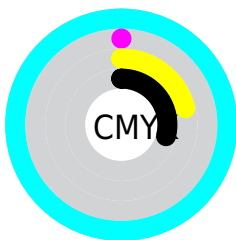
Distribution



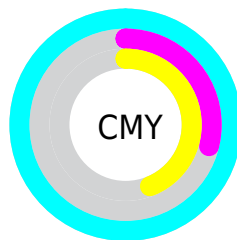
- Red (0%)
- Green (71%)
- Blue (56%)



- Red (0%)
- Yellow (40%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5955, 0.2439, 0.3979 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 34.5955, 0.2439, 0.3979 by changing the saturation by 10% instead.


 34.5955, 0.2439,
0.3979

 34.5955, 0.2439,
0.3979


322.7793, 0.2804,
0.3605


 23.3515, 0.2341,
0.4083


 66.8587, 0.2577,
0.3835

 14.8532, 0.2211,
0.4224


 88.6466, 0.2627,
0.3784


 8.7164, 0.2031,
0.4425


 114.7179, 0.2669,
0.3741

 4.5567, 0.1768,
0.4731

 145.4570, 0.2704,
0.3705

 1.9896, 0.1227,
0.5326

 181.2483, 0.2734,
0.3674

 0.6014, 0.0000,
0.9207

 222.4761, 0.2761,

 0.0000, 0.0000,

0.3648

0.0000

269.5250, 0.2784,
0.3625

■ 34.5955, 0.2439,
0.3979

■ 34.5955, 0.2439,
0.3979

■ 34.5920, 0.2439,
0.3981

■ 34.8431, 0.2436,
0.3903

■ 35.2130, 0.2448,
0.3826

■ 35.7502, 0.2480,
0.3749

■ 36.4761, 0.2530,
0.3673

■ 37.4088, 0.2598,
0.3599

■ 38.5646, 0.2683,
0.3528

■ 39.9577, 0.2781,
0.3461

■ 41.6014, 0.2890,
0.3399

■ 43.5081, 0.3007,
0.3341

Harmonies

Analogous

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



34.5955, 0.3105, 0.4565



34.5955, 0.2439, 0.3979



34.5955, 0.1991, 0.3182

Triad

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



34.5955, 0.2439, 0.3979



34.5955, 0.2357, 0.2163



34.5955, 0.4613, 0.3755

Complementary

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



34.5955, 0.2439, 0.3979



9.8538, 0.6033, 0.3099

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.



34.5955, 0.4394, 0.3203



34.5955, 0.2439, 0.3979



34.5955, 0.3002, 0.2338

Square

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



34.5955, 0.2439, 0.3979



34.5955, 0.1959, 0.2221



34.5955, 0.3771, 0.2706



34.5955, 0.4378, 0.4282

Rectangle

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



34.5955, 0.2439, 0.3979



34.5955, 0.1854, 0.2732



34.5955, 0.3771, 0.2706



34.5955, 0.4593, 0.3570

Sweetspot

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



34.5968, 0.2439, 0.3979



72.2555, 0.2774, 0.3466



33.0799, 0.3080, 0.5934



15.3818, 0.2732, 0.3493



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.



34.5968, 0.2439, 0.3979



62.6885, 0.2443, 0.3993



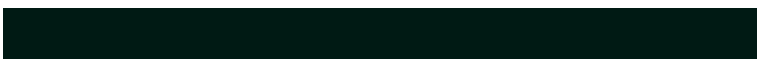
19.0261, 0.1985, 0.2345



9.6001, 0.3013, 0.3339



24.1536, 0.2437, 0.3971



0.7677, 0.2377, 0.3759

Inverse Universe

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



9.8538, 0.6033, 0.3099



17.8215, 0.6076, 0.3121



12.0953, 0.5993, 0.3621



8.5337, 0.3255, 0.3242



6.8787, 0.6011, 0.3085



0.2249, 0.5255, 0.2668

Previews

White Background



This preview shows how the Yxy color 34.5955, 0.2439, 0.3979 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 34.5955, 0.2439, 0.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

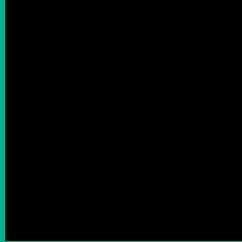
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5955, 0.2439, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 34.5955, 0.2439, 0.3979.

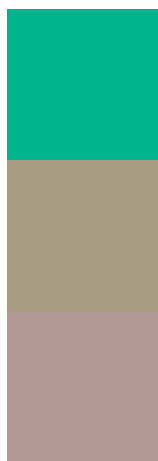


This preview shows how white text looks on a background with the Yxy color 34.5955, 0.2439, 0.3979.

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

34.5955, 0.2439, 0.3979

Protanopia

33.9681, 0.3473, 0.3676

Deuteranopia

33.9417, 0.3423, 0.3348



Tritanopia

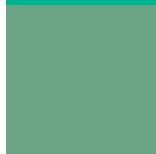
34.7152, 0.2274, 0.3061

Trichromacy



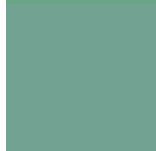
Original Color

34.5955, 0.2439, 0.3979



Protanomaly

31.7237, 0.2854, 0.3809



Deuteranomaly

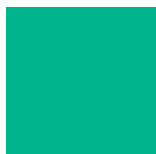
31.4267, 0.2822, 0.3559



Tritanomaly

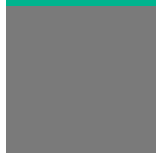
34.3483, 0.2314, 0.3373

Monochromacy



Original Color

34.5955, 0.2439, 0.3979



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.8496, 0.2642, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5955, 0.2439, 0.3979 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, 180, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 142)  
}
```

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, 180, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 142) }
```

Border

The CSS property to change the border of an element to Yxy 34.5955, 0.2439, 0.3979 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, 180, 142) }
```

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

```
.border{ border-color:rgb(0, 180, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5955, 0.2439, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 142) }
```

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

```
.background{ background-color: rgb(0, 180,  
142) }
```

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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