

Converting Colors

$Yxy(33.7236, 0.2261, 0.4101)$

Have a look what the booklet for
Yxy(33.7236, 0.2261, 0.4101)
contains.

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Color

Yxy(34.9118, 0.2459, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	00B58B
RGB	0, 181, 139
RGB Percent	0%, 71%, 55%
CMY	1.0000, 0.2902, 0.4549
CMYK	1.00, 0.00, 0.23, 0.29
HSL	166°, 100%, 35%
HSV	166°, 100%, 71%
XYZ	21.1814, 34.9118, 30.0450
YIQ	122.0930, -94.3940, -51.4340

Conversions

Conversions Part 2

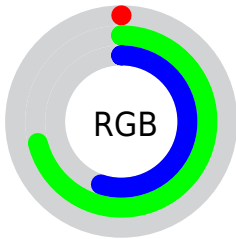
Format	Color
RYB	0, 102, 181
Decimal	46475
CIELab	65.68, -48.93, 10.62
CIELCh	66, 50.069, 167.753
Yxy	34.9118, 0.2459, 0.4053
Android (android.graphics.Color)	4278236555 (0xFF00B58B)
YUV	122.0930, 8.3352, -107.0756
Hunter-Lab	59.0862, -39.4117, 11.2117

Details

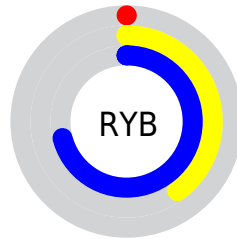
The Yxy color **34.9118, 0.2459, 0.4053** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.9919, 0.5981, 0.3069**, and the grayscale version is **19.4904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4861, 0.2593, 0.3887**, and **15.9000, 0.2517, 0.4261** is the 20% darker color. If you saturate the color by 10%, you get **34.9145, 0.2459, 0.4053**, and if you desaturate by 10%, it is **35.1693, 0.2454, 0.3968**.

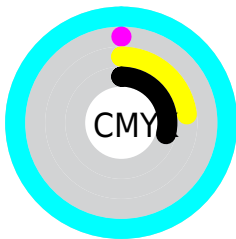
Distribution



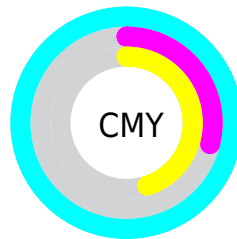
- Red (0%)
- Green (71%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9118, 0.2459, 0.4053 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 34.9118, 0.2459, 0.4053 by changing the saturation by 10% instead.


 34.9118, 0.2459,
0.4053


 34.9118, 0.2459,
0.4053


 324.1789, 0.2815,
0.3636


 23.5949, 0.2363,
0.4170


 67.3491, 0.2594,
0.3893


 15.0334, 0.2235,
0.4328


 89.2384, 0.2643,
0.3835

 8.8428, 0.2057,
0.4554

 115.4205, 0.2684,
0.3788

 4.6388, 0.1795,
0.4902

 146.2800, 0.2718,
0.3748

 2.0369, 0.1247,
0.5578

 182.2011, 0.2748,
0.3714

 0.6288, 0.0000,
1.0000

 223.5684, 0.2773,

 0.0000, 0.0000,

0.3684

0.0000

270.7662, 0.2795,
0.3659

■ 34.9118, 0.2459,
0.4053

■ 34.9118, 0.2459,
0.4053

■ 34.9145, 0.2459,
0.4053

■ 35.1693, 0.2454,
0.3968

■ 35.5484, 0.2464,
0.3883

■ 36.0971, 0.2493,
0.3798

■ 36.8374, 0.2542,
0.3714

■ 37.7877, 0.2608,
0.3632

■ 38.9645, 0.2691,
0.3554

■ 40.3823, 0.2787,
0.3480

■ 42.0546, 0.2893,
0.3411

■ 43.9939, 0.3008,
0.3348

Harmonies

Analogous

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



34.9118, 0.3151, 0.4628



34.9118, 0.2459, 0.4053



34.9118, 0.1983, 0.3229

Triad

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



34.9118, 0.2459, 0.4053



34.9118, 0.2301, 0.2132



34.9118, 0.4655, 0.3724

Complementary

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



34.9118, 0.2459, 0.4053



9.9919, 0.5981, 0.3069

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.



34.9118, 0.4399, 0.3162



34.9118, 0.2459, 0.4053



34.9118, 0.2947, 0.2296

Square

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



34.9118, 0.2459, 0.4053



34.9118, 0.1914, 0.2207



34.9118, 0.3736, 0.2661



34.9118, 0.4437, 0.4270

Rectangle

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



34.9118, 0.2459, 0.4053



34.9118, 0.1830, 0.2754



34.9118, 0.3736, 0.2661



34.9118, 0.4624, 0.3534

Sweetspot

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



34.9145, 0.2459, 0.4053



72.1796, 0.2781, 0.3483



33.5479, 0.3091, 0.5928



15.3634, 0.2740, 0.3513



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.



34.9145, 0.2459, 0.4053



62.4891, 0.2463, 0.4067



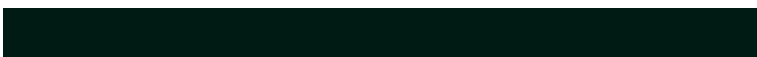
20.0401, 0.2001, 0.2402



9.5971, 0.3016, 0.3343



24.0783, 0.2456, 0.4042



0.7659, 0.2391, 0.3807

Inverse Universe

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



9.9919, 0.5981, 0.3069



17.8648, 0.6019, 0.3089



11.9606, 0.6038, 0.3588



8.5365, 0.3252, 0.3237



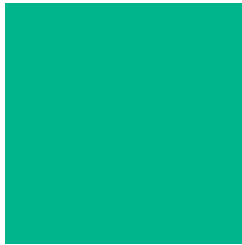
6.8967, 0.5951, 0.3052



0.2261, 0.5172, 0.2623

Previews

White Background



This preview shows how the Yxy color 34.9118, 0.2459, 0.4053 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 34.9118, 0.2459, 0.4053 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 34.9118, 0.2459, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 34.9118, 0.2459, 0.4053.

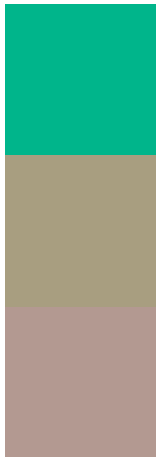


This preview shows how white text looks on a background with the Yxy color 34.9118, 0.2459, 0.4053.

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

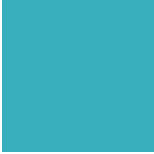
34.9118, 0.2459, 0.4053

Protanopia

34.3371, 0.3509, 0.3734

Deuteranopia

34.4105, 0.3472, 0.3404



Tritanopia

34.8161, 0.2275, 0.3046

Trichromacy



Original Color

34.9118, 0.2459, 0.4053



Protanomaly

32.0642, 0.2886, 0.3878



Deuteranomaly

31.7550, 0.2855, 0.3627



Tritanomaly

34.7596, 0.2321, 0.3390

Monochromacy



Original Color

34.9118, 0.2459, 0.4053



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.8231, 0.2650, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9118, 0.2459, 0.4053 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, 181, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 139)  
}
```

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, 181, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 139) }
```

Border

The CSS property to change the border of an element to Yxy 34.9118, 0.2459, 0.4053 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, 181, 139) }
```

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

```
.border{ border-color:rgb(0, 181, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9118, 0.2459, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 139) }
```

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

```
.background{ background-color: rgb(0, 181,  
139) }
```

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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