

Converting Colors

$Y_{xy}(32.7263, 0.2102, 0.4039)$

Have a look what the booklet for
Yxy(32.7263, 0.2102, 0.4039)
contains.

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Color

Yxy(35.0309, 0.2438, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	01B58F
RGB	1, 181, 143
RGB Percent	0%, 71%, 56%
CMY	0.9980, 0.2902, 0.4393
CMYK	1.00, 0.00, 0.21, 0.29
HSL	167°, 99%, 36%
HSV	167°, 100%, 71%
XYZ	21.4856, 35.0309, 31.6115
YIQ	122.8480, -95.0820, -49.9780

Conversions

Conversions Part 2

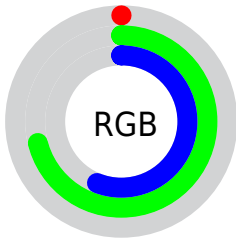
Format	Color
RYB	1, 102, 181
Decimal	112015
CIELab	65.77, -47.89, 8.56
CIELCh	66, 48.643, 169.870
Yxy	35.0309, 0.2438, 0.3975
Android (android.graphics.Color)	4278302095 (0xFF01B58F)
YUV	122.8480, 9.9349, -106.8607
Hunter-Lab	59.1869, -38.7793, 9.7642

Details

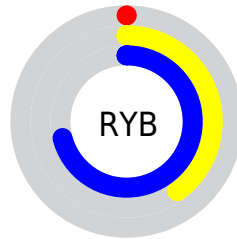
The Yxy color **35.0309, 0.2438, 0.3975** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **9.9775, 0.6035, 0.3101**, and the grayscale version is **19.6918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6671, 0.2575, 0.3831**, and **15.9691, 0.2487, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **35.0258, 0.2438, 0.3977**, and if you desaturate by 10%, it is **35.2810, 0.2435, 0.3899**.

Distribution



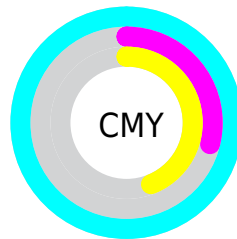
- Red (0%)
- Green (71%)
- Blue (56%)



- 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 35.0309, 0.2438, 0.3975 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 35.0309, 0.2438, 0.3975 by changing the saturation by 10% instead.


 35.0309, 0.2438,
0.3975


 35.0309, 0.2438,
0.3975


324.7047, 0.2803,
0.3604

 23.6867, 0.2340,
0.4078


 67.5336, 0.2575,
0.3833

 15.1014, 0.2211,
0.4217


 89.4609, 0.2625,
0.3782

 8.8906, 0.2033,
0.4414


 115.6847, 0.2667,
0.3739

 4.6699, 0.1772,
0.4715

 146.5894, 0.2703,
0.3703

 2.0549, 0.1261,
0.5283

 182.5593, 0.2733,
0.3673

 0.6391, 0.0000,
0.8674

 223.9789, 0.2759,

 0.0000, 0.0000,

0.3647

0.0000

271.2326, 0.2782,
0.3624

■ 35.0309, 0.2438,
0.3975

■ 35.0309, 0.2438,
0.3975

■ 35.0258, 0.2438,
0.3977

■ 35.2810, 0.2435,
0.3899

■ 35.6558, 0.2448,
0.3823

■ 36.2000, 0.2479,
0.3746

■ 36.9355, 0.2530,
0.3670

■ 37.8806, 0.2598,
0.3597

■ 39.0517, 0.2683,
0.3526

■ 40.4633, 0.2781,
0.3460

■ 42.1289, 0.2891,
0.3398

■ 44.0609, 0.3008,
0.3341

Harmonies

Analogous

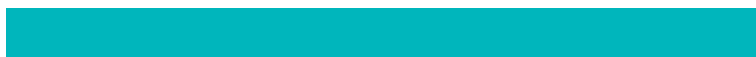
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0309, 0.3103, 0.4562



35.0309, 0.2438, 0.3975



35.0309, 0.1992, 0.3180

Triad

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



35.0309, 0.2438, 0.3975



35.0309, 0.2360, 0.2164



35.0309, 0.4611, 0.3757

Complementary

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



35.0309, 0.2438, 0.3975



9.9775, 0.6035, 0.3101

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.



35.0309, 0.4394, 0.3206



35.0309, 0.2438, 0.3975



35.0309, 0.3005, 0.2340

Square

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



35.0309, 0.2438, 0.3975



35.0309, 0.1962, 0.2222



35.0309, 0.3772, 0.2708



35.0309, 0.4374, 0.4283

Rectangle

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



35.0309, 0.2438, 0.3975



35.0309, 0.1855, 0.2731



35.0309, 0.3772, 0.2708



35.0309, 0.4591, 0.3571

Sweetspot

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



35.0323, 0.2438, 0.3975



72.2595, 0.2773, 0.3465



33.4906, 0.3080, 0.5934



15.3828, 0.2731, 0.3492



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.



35.0323, 0.2438, 0.3975



62.6992, 0.2442, 0.3989



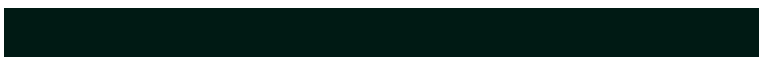
19.2664, 0.1985, 0.2345



9.6003, 0.3013, 0.3338



24.1576, 0.2435, 0.3968



0.7678, 0.2377, 0.3756

Inverse Universe

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



9.9775, 0.6035, 0.3101



17.8193, 0.6079, 0.3122



12.2486, 0.5992, 0.3621



8.5336, 0.3255, 0.3242



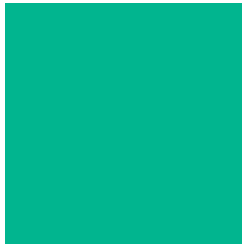
6.8778, 0.6014, 0.3087



0.2249, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 35.0309, 0.2438, 0.3975 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 35.0309, 0.2438, 0.3975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

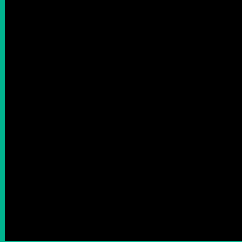
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0309, 0.2438, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 35.0309, 0.2438, 0.3975.



This preview shows how white text looks on a background with the Yxy color 35.0309, 0.2438, 0.3975.

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

35.0374, 0.2438, 0.3975

Protanopia

34.4445, 0.3471, 0.3674

Deuteranopia

34.4174, 0.3421, 0.3347



Tritanopia

35.1463, 0.2273, 0.3062

Trichromacy



Original Color

35.0374, 0.2438, 0.3975



Protanomaly

32.1758, 0.2856, 0.3806



Deuteranomaly

31.8117, 0.2816, 0.3558



Tritanomaly

34.7802, 0.2314, 0.3373

Monochromacy



Original Color

35.0374, 0.2438, 0.3975



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.1779, 0.2637, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0309, 0.2438, 0.3975 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(1, 181, 143)` looks like.

```
.text, #text, p{  
    color:rgb(1, 181, 143)  
}
```

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(1, 181, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 181, 143) }
```

Border

The CSS property to change the border of an element to Yxy 35.0309, 0.2438, 0.3975 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(1, 181, 143) }
```

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

```
.border{ border-color:rgb(1, 181, 143) }
```

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

Here you see how a box with a 4 pixel rgb(1, 181, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 181, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 181, 143);  
box-shadow:4px 4px 4px 4px rgb(1, 181,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0309, 0.2438, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 181, 143) }
```

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

```
.background{ background-color: rgb(1, 181,  
143) }
```

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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