

Converting Colors

$Yxy(35.5312, 0.2426, 0.3933)$

Have a look what the booklet for
Yxy(35.5312, 0.2426, 0.3933)
contains.

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Color

Yxy(35.5312, 0.2426, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	00B692
RGB	0, 182, 146
RGB Percent	0%, 71%, 57%
CMY	0.9994, 0.2863, 0.4275
CMYK	1.00, 0.00, 0.20, 0.29
HSL	168°, 100%, 36%
HSV	168°, 100%, 71%
XYZ	21.9168, 35.5312, 32.8932
YIQ	123.4780, -96.9160, -49.7800

Conversions

Conversions Part 2

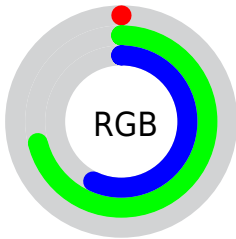
Format	Color
RYB	0, 101, 182
Decimal	46738
CIELab	66.16, -47.53, 7.46
CIELCh	66, 48.113, 171.083
Yxy	35.5312, 0.2426, 0.3933
Android (android.graphics.Color)	4278236818 (0xFF00B692)
YUV	123.4780, 11.1033, -108.2902
Hunter-Lab	59.6081, -38.6829, 9.0079

Details

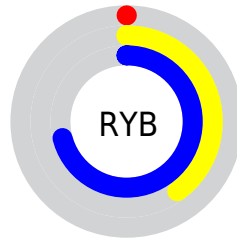
The Yxy color **35.5312, 0.2426, 0.3933** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.0767, 0.6076, 0.3121**, and the grayscale version is **19.9751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3899, 0.2563, 0.3801**, and **16.2829, 0.2470, 0.4091** is the 20% darker color. If you saturate the color by 10%, you get **35.5308, 0.2426, 0.3934**, and if you desaturate by 10%, it is **35.7775, 0.2424, 0.3862**.

Distribution



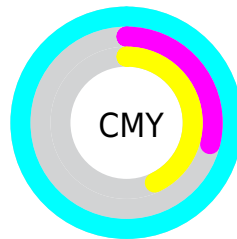
- Red (0%)
- Green (71%)
- Blue (57%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5312, 0.2426, 0.3933 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 35.5312, 0.2426, 0.3933 by changing the saturation by 10% instead.


 35.5312, 0.2426,
0.3933


 35.5312, 0.2426,
0.3933


326.9068, 0.2795,
0.3587

 24.0724, 0.2328,
0.4028


 68.3079, 0.2564,
0.3801


 15.3873, 0.2199,
0.4156


 90.3945, 0.2615,
0.3753


 9.0917, 0.2021,
0.4337


 116.7925, 0.2657,
0.3714

 4.8010, 0.1764,
0.4609

 147.8862, 0.2693,
0.3680

 2.1310, 0.1294,
0.5104

 184.0601, 0.2724,
0.3652

 0.6820, 0.0000,
0.7551

 225.6986, 0.2751,

 0.0000, 0.0000,

0.3627

0.0000

273.1861, 0.2774,
0.3606

■ 35.5312, 0.2426,
0.3933

■ 35.5312, 0.2426,
0.3933

■ 35.5308, 0.2426,
0.3934

■ 35.7775, 0.2424,
0.3862

■ 36.1480, 0.2437,
0.3790

■ 36.6892, 0.2469,
0.3719

■ 37.4232, 0.2520,
0.3648

■ 38.3688, 0.2589,
0.3579

■ 39.5426, 0.2675,
0.3513

■ 40.9592, 0.2775,
0.3451

■ 42.6325, 0.2885,
0.3392

■ 44.5748, 0.3004,
0.3339

Harmonies

Analogous

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



35.5312, 0.3076, 0.4525



35.5312, 0.2426, 0.3933



35.5312, 0.1996, 0.3153

Triad

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



35.5312, 0.2426, 0.3933



35.5312, 0.2393, 0.2182



35.5312, 0.4588, 0.3775

Complementary

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



35.5312, 0.2426, 0.3933



10.0767, 0.6076, 0.3121

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.



35.5312, 0.4391, 0.3230



35.5312, 0.2426, 0.3933



35.5312, 0.3038, 0.2364

Square

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



35.5312, 0.2426, 0.3933



35.5312, 0.1988, 0.2229



35.5312, 0.3792, 0.2735



35.5312, 0.4340, 0.4290

Rectangle

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



35.5312, 0.2426, 0.3933



35.5312, 0.1868, 0.2717



35.5312, 0.3792, 0.2735



35.5312, 0.4574, 0.3592

Sweetspot

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



35.5326, 0.2426, 0.3933



74.0939, 0.2768, 0.3454



33.8413, 0.3069, 0.5944



16.1168, 0.2725, 0.3480



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.5326, 0.2426, 0.3933



64.3814, 0.2429, 0.3945



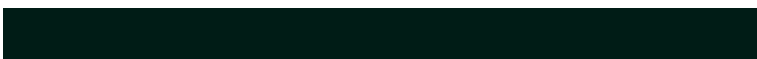
18.6722, 0.1968, 0.2283



10.1793, 0.3011, 0.3336



25.1005, 0.2424, 0.3925



0.8927, 0.2373, 0.3742

Inverse Universe

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



10.0767, 0.6076, 0.3121



18.2353, 0.6113, 0.3141



12.6497, 0.5958, 0.3650



9.0405, 0.3257, 0.3245



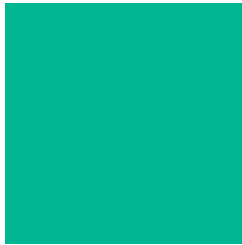
7.1210, 0.6052, 0.3108



0.2598, 0.5358, 0.2725

Previews

White Background



This preview shows how the Yxy color 35.5312, 0.2426, 0.3933 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 35.5312, 0.2426, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

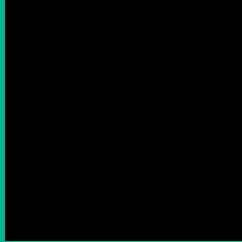
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5312, 0.2426, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 35.5312, 0.2426, 0.3933.



This preview shows how white text looks on a background with the Yxy color 35.5312, 0.2426, 0.3933.

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

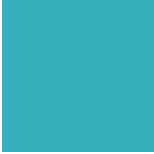
35.5312, 0.2426, 0.3933

Protanopia

34.8423, 0.3449, 0.3658

Deuteranopia

34.8432, 0.3389, 0.3319



Tritanopia

35.5806, 0.2272, 0.3063

Trichromacy



Original Color

35.5312, 0.2426, 0.3933



Protanomaly

32.5982, 0.2842, 0.3785



Deuteranomaly

32.2636, 0.2794, 0.3523



Tritanomaly

35.2541, 0.2308, 0.3355

Monochromacy



Original Color

35.5312, 0.2426, 0.3933



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.5790, 0.2632, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5312, 0.2426, 0.3933 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, 182, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 146)  
}
```

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, 182, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 146) }
```

Border

The CSS property to change the border of an element to Yxy 35.5312, 0.2426, 0.3933 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, 182, 146) }
```

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

```
.border{ border-color:rgb(0, 182, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5312, 0.2426, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 146) }
```

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

```
.background{ background-color: rgb(0, 182,  
146) }
```

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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