

Converting Colors

$Yxy(34.3418, 0.2407, 0.4698)$

Have a look what the booklet for
Yxy(34.3418, 0.2407, 0.4698)
contains.

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Color

Yxy(35.8678, 0.2622, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	00B970
RGB	0, 185, 112
RGB Percent	0%, 73%, 44%
CMY	0.9999, 0.2745, 0.5609
CMYK	1.00, 0.00, 0.39, 0.27
HSL	156°, 100%, 36%
HSV	156°, 100%, 73%
XYZ	20.2728, 35.8678, 21.1774
YIQ	121.3630, -86.8270, -61.9230

Conversions

Conversions Part 2

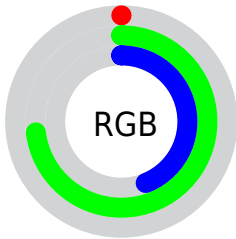
Format	Color
RYB	0, 115, 185
Decimal	47472
CIELab	66.42, -56.51, 26.22
CIELCh	66, 62.300, 155.107
Yxy	35.8678, 0.2622, 0.4639
Android (android.graphics.Color)	4278237552 (0xFF00B970)
YUV	121.3630, -4.6160, -106.4354
Hunter-Lab	59.8897, -44.3845, 20.9575

Details

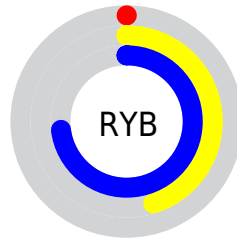
The Yxy color **35.8678, 0.2622, 0.4639** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.7972, 0.5399, 0.2748**, and the grayscale version is **19.2834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6714, 0.2738, 0.4345**, and **16.3241, 0.2725, 0.5009** is the 20% darker color. If you saturate the color by 10%, you get **35.8688, 0.2622, 0.4639**, and if you desaturate by 10%, it is **36.1721, 0.2602, 0.4491**.

Distribution



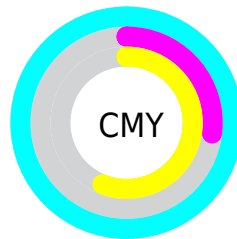
- Red (0%)
- Green (73%)
- Blue (44%)



- Red (0%)
- Yellow (45%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8678, 0.2622, 0.4639 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 35.8678, 0.2622, 0.4639 by changing the saturation by 10% instead.

 35.8678, 0.2622,
0.4639

 35.8678, 0.2622,
0.4639


328.3824, 0.2911,
0.3883

 24.3321, 0.2536,
0.4857


 68.8280, 0.2737,
0.4343


 15.5802, 0.2416,
0.5156


 91.0212, 0.2777,
0.4239

 9.2276, 0.2239,
0.5586


 117.5358, 0.2810,
0.4153

 4.8899, 0.1958,
0.6247

 148.7561, 0.2837,
0.4081

 2.1828, 0.1300,
0.8155

 185.0665, 0.2860,
0.4020

 0.7106, 0.0000,
1.0000

 226.8515, 0.2880,

 0.0000, 0.0000,

0.3968

0.0000

274.4953, 0.2897,
0.3923

■ 35.8678, 0.2622,
0.4639

■ 35.8678, 0.2622,
0.4639

■ 35.8688, 0.2622,
0.4639

■ 36.1721, 0.2602,
0.4491

■ 36.6151, 0.2597,
0.4339

■ 37.2451, 0.2613,
0.4186

■ 38.0856, 0.2648,
0.4035

■ 39.1564, 0.2701,
0.3888

■ 40.4748, 0.2769,
0.3749

■ 42.0567, 0.2848,
0.3618

■ 43.9164, 0.2936,
0.3498

■ 46.0672, 0.3030,
0.3389

Harmonies

Analogous

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



35.8678, 0.3493, 0.5055



35.8678, 0.2622, 0.4639



35.8678, 0.1939, 0.3629

Triad

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



35.8678, 0.2622, 0.4639



35.8678, 0.1906, 0.1914



35.8678, 0.4940, 0.3476

Complementary

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



35.8678, 0.2622, 0.4639



10.7972, 0.5399, 0.2748

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.



35.8678, 0.4393, 0.2852



35.8678, 0.2622, 0.4639



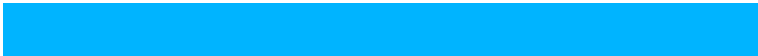
35.8678, 0.2537, 0.2000

Square

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



35.8678, 0.2622, 0.4639



35.8678, 0.1597, 0.2115



35.8678, 0.3450, 0.2331



35.8678, 0.4874, 0.4141

Rectangle

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



35.8678, 0.2622, 0.4639



35.8678, 0.1673, 0.2957



35.8678, 0.3450, 0.2331



35.8678, 0.4824, 0.3261

Sweetspot

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



35.8692, 0.2622, 0.4639



75.1643, 0.2844, 0.3625



36.1563, 0.3241, 0.5808



15.9380, 0.2810, 0.3678



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.



35.8692, 0.2622, 0.4639



64.1902, 0.2628, 0.4662



30.9602, 0.2159, 0.2973



10.1489, 0.3036, 0.3382



24.4369, 0.2617, 0.4621



0.8733, 0.2510, 0.4236

Inverse Universe

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



10.7972, 0.5399, 0.2748



19.2923, 0.5440, 0.2770



10.7648, 0.6321, 0.3363



9.0694, 0.3228, 0.3200



7.3644, 0.5367, 0.2730



0.2719, 0.4681, 0.2353

Previews

White Background



This preview shows how the Yxy color 35.8678, 0.2622, 0.4639 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 35.8678, 0.2622, 0.4639 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 35.8678, 0.2622, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 35.8678, 0.2622, 0.4639.



This preview shows how white text looks on a background with the Yxy color 35.8678, 0.2622, 0.4639.

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

35.8678, 0.2622, 0.4639

Protanopia

35.2149, 0.3818, 0.4118

Deuteranopia

35.2619, 0.3836, 0.3771



Tritanopia

35.9617, 0.2313, 0.3065

Trichromacy



Original Color

35.8678, 0.2622, 0.4639



Protanomaly

32.7960, 0.3118, 0.4380



Deuteranomaly

32.1643, 0.3124, 0.4125



Tritanomaly

35.3624, 0.2393, 0.3581

Monochromacy



Original Color

35.8678, 0.2622, 0.4639



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.8323, 0.2725, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8678, 0.2622, 0.4639 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, 185, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 112)  
}
```

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, 185, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 112) }
```

Border

The CSS property to change the border of an element to Yxy 35.8678, 0.2622, 0.4639 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, 185, 112) }
```

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

```
.border{ border-color:rgb(0, 185, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8678, 0.2622, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 112) }
```

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

```
.background{ background-color: rgb(0, 185,  
112) }
```

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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