

Converting Colors

Yxy(31.4343, 0.1697, 0.4079)

Have a look what the booklet for
Yxy(31.4343, 0.1697, 0.4079)
contains.

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Color

Yxy(36.3563, 0.2434, 0.3964)

Conversions

Conversions Part 1

Format	Color
Hex	00B892
RGB	0, 184, 146
RGB Percent	0%, 72%, 57%
CMY	1.0000, 0.2784, 0.4274
CMYK	1.00, 0.00, 0.21, 0.28
HSL	168°, 100%, 36%
HSV	168°, 100%, 72%
XYZ	22.3237, 36.3563, 33.0362
YIQ	124.6520, -97.4660, -50.8260

Conversions

Conversions Part 2

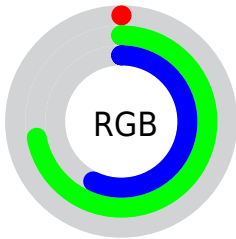
Format	Color
RYB	0, 103, 184
Decimal	47250
CIELab	66.79, -48.37, 8.35
CIELCh	67, 49.081, 170.203
Yxy	36.3563, 0.2434, 0.3964
Android (android.graphics.Color)	4278237330 (0xFF00B892)
YUV	124.6520, 10.5246, -109.3198
Hunter-Lab	60.2962, -39.4315, 9.7224

Details

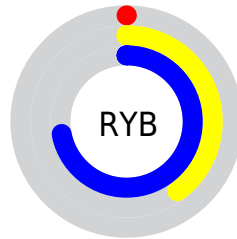
The Yxy color **36.3563, 0.2434, 0.3964** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.3318, 0.6057, 0.3110**, and the grayscale version is **20.3762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6221, 0.2571, 0.3824**, and **16.8098, 0.2481, 0.4132** is the 20% darker color. If you saturate the color by 10%, you get **36.3612, 0.2434, 0.3964**, and if you desaturate by 10%, it is **36.6140, 0.2432, 0.3889**.

Distribution



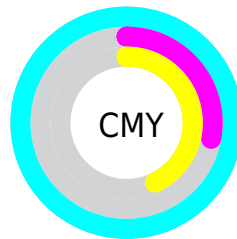
- Red (0%)
- Green (72%)
- Blue (57%)



- Red (0%)
- Yellow (40%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3563, 0.2434, 0.3964 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 36.3563, 0.2434, 0.3964 by changing the saturation by 10% instead.

 36.3563, 0.2434,
0.3964


 36.3563, 0.2434,
0.3964


 330.5152, 0.2798,
0.3601


 24.7095, 0.2337,
0.4064


 69.5817, 0.2571,
0.3826


 15.8608, 0.2210,
0.4198


 91.9290, 0.2621,
0.3776

 9.4257, 0.2036,
0.4386


 118.6120, 0.2662,
0.3734

 5.0199, 0.1783,
0.4671

 150.0150, 0.2698,
0.3699

 2.2589, 0.1342,
0.5172

 186.5224, 0.2728,
0.3669

 0.7518, 0.0000,
0.7621

 228.5187, 0.2755,

 0.0000, 0.0000,

0.3644

0.0000

276.3881, 0.2778,
0.3621

■ 36.3563, 0.2434,
0.3964

■ 36.3563, 0.2434,
0.3964

■ 36.3612, 0.2434,
0.3964

■ 36.6140, 0.2432,
0.3889

■ 36.9954, 0.2444,
0.3815

■ 37.5520, 0.2475,
0.3739

■ 38.3065, 0.2525,
0.3665

■ 39.2783, 0.2593,
0.3593

■ 40.4843, 0.2678,
0.3524

■ 41.9399, 0.2777,
0.3458

■ 43.6590, 0.2886,
0.3397

■ 45.6546, 0.3004,
0.3341

Harmonies

Analogous

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



36.3563, 0.3095, 0.4553



36.3563, 0.2434, 0.3964



36.3563, 0.1992, 0.3172

Triad

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



36.3563, 0.2434, 0.3964



36.3563, 0.2369, 0.2168



36.3563, 0.4606, 0.3762

Complementary

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



36.3563, 0.2434, 0.3964



10.3318, 0.6057, 0.3110

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.



36.3563, 0.4394, 0.3212



36.3563, 0.2434, 0.3964



36.3563, 0.3014, 0.2346

Square

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



36.3563, 0.2434, 0.3964



36.3563, 0.1968, 0.2223



36.3563, 0.3779, 0.2715



36.3563, 0.4366, 0.4285

Rectangle

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



36.3563, 0.2434, 0.3964



36.3563, 0.1857, 0.2726



36.3563, 0.3779, 0.2715



36.3563, 0.4588, 0.3577

Sweetspot

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



36.3612, 0.2434, 0.3964



75.8734, 0.2771, 0.3462



34.7343, 0.3079, 0.5937



16.1087, 0.2729, 0.3489



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.



36.3612, 0.2434, 0.3964



65.8697, 0.2438, 0.3976



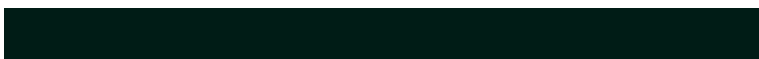
19.9298, 0.1984, 0.2341



10.1780, 0.3012, 0.3338



25.0668, 0.2432, 0.3955



0.8918, 0.2379, 0.3763

Inverse Universe

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



10.3318, 0.6057, 0.3110



18.6989, 0.6092, 0.3129



12.6600, 0.6001, 0.3617



9.0418, 0.3256, 0.3243



7.1281, 0.6029, 0.3095



0.2603, 0.5323, 0.2706

Previews

White Background



This preview shows how the Yxy color 36.3563, 0.2434, 0.3964 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 36.3563, 0.2434, 0.3964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

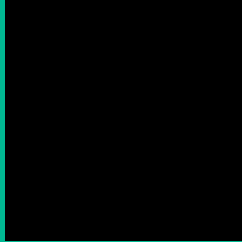
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3563, 0.2434, 0.3964

Background



This preview shows how black text looks on a background with the Yxy color 36.3563, 0.2434, 0.3964.

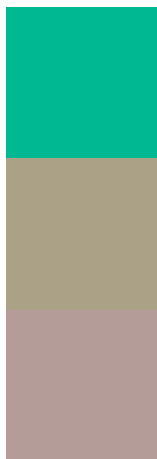


This preview shows how white text looks on a background with the Yxy color 36.3563, 0.2434, 0.3964.

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

36.3563, 0.2434, 0.3964

Protanopia

35.7570, 0.3464, 0.3684

Deuteranopia

35.7472, 0.3406, 0.3347



Tritanopia

36.4873, 0.2274, 0.3065

Trichromacy



Original Color

36.3563, 0.2434, 0.3964



Protanomaly

33.3991, 0.2851, 0.3816



Deuteranomaly

33.1193, 0.2813, 0.3554



Tritanomaly

36.1127, 0.2314, 0.3371

Monochromacy



Original Color

36.3563, 0.2434, 0.3964



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.9567, 0.2634, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3563, 0.2434, 0.3964 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, 184, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 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, 184, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 146) }
```

Border

The CSS property to change the border of an element to Yxy 36.3563, 0.2434, 0.3964 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, 184, 146) }
```

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

```
.border{ border-color:rgb(0, 184, 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, 184, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3563, 0.2434, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 146) }
```

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

```
.background{ background-color: rgb(0, 184,  
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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