

Converting Colors

$Y_{xy}(30.5069, 0.1373, 0.4421)$

Have a look what the booklet for
Yxy(30.5069, 0.1373, 0.4421)
contains.

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Color

Yxy(36.9240, 0.2491, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	00BA89
RGB	0, 186, 137
RGB Percent	0%, 73%, 54%
CMY	0.9982, 0.2706, 0.4627
CMYK	1.00, 0.00, 0.26, 0.27
HSL	164°, 100%, 37%
HSV	164°, 100%, 73%
XYZ	22.0782, 36.9240, 29.6296
YIQ	124.8000, -95.1270, -54.6710

Conversions

Conversions Part 2

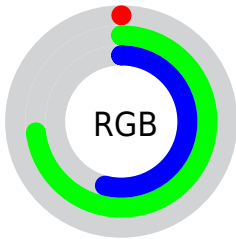
Format	Color
RYB	0, 107, 186
Decimal	47753
CIELab	67.22, -51.35, 13.88
CIELCh	67, 53.191, 164.875
Yxy	36.9240, 0.2491, 0.4166
Android (android.graphics.Color)	4278237833 (0xFF00BA89)
YUV	124.8000, 6.0146, -109.4496
Hunter-Lab	60.7651, -41.4834, 13.6253

Details

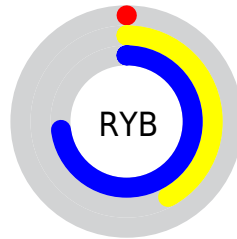
The Yxy color **36.9240, 0.2491, 0.4166** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.6740, 0.5879, 0.3014**, and the grayscale version is **20.4877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3603, 0.2622, 0.3987**, and **16.9207, 0.2554, 0.4393** is the 20% darker color. If you saturate the color by 10%, you get **36.9191, 0.2491, 0.4168**, and if you desaturate by 10%, it is **37.2057, 0.2483, 0.4068**.

Distribution



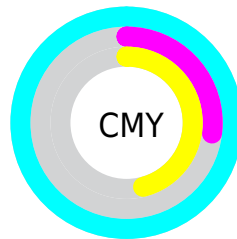
- Red (0%)
- Green (73%)
- Blue (54%)



- Red (0%)
- Yellow (42%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (27%)




- Cyan (100%)
- Magenta (27%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9240, 0.2491, 0.4166 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 36.9240, 0.2491, 0.4166 by changing the saturation by 10% instead.


 36.9240, 0.2491,
0.4166


 36.9240, 0.2491,
0.4166


332.9814, 0.2831,
0.3688


 25.1487, 0.2399,
0.4300


 70.4559, 0.2620,
0.3982

 16.1878, 0.2277,
0.4481


 92.9812, 0.2666,
0.3916


 9.6572, 0.2106,
0.4739


 119.8586, 0.2705,
0.3862

 5.1722, 0.1855,
0.5134

 151.4726, 0.2738,
0.3816

 2.3487, 0.1389,
0.5843

 188.2074, 0.2766,
0.3777

 0.7993, 0.0000,
1.0000

 230.4476, 0.2791,

 0.0000, 0.0000,

0.3743

0.0000

278.5774, 0.2812,
0.3714

■ 36.9240, 0.2491,
0.4166

■ 36.9240, 0.2491,
0.4166

■ 36.9191, 0.2491,
0.4168

■ 37.2057, 0.2483,
0.4068

■ 37.6229, 0.2490,
0.3970

■ 38.2226, 0.2517,
0.3871

■ 39.0284, 0.2563,
0.3774

■ 40.0599, 0.2627,
0.3680

■ 41.3347, 0.2707,
0.3590

■ 42.8684, 0.2800,
0.3505

■ 44.6754, 0.2904,
0.3426

■ 46.7690, 0.3015,
0.3354

Harmonies

Analogous

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



36.9240, 0.3220, 0.4720



36.9240, 0.2491, 0.4166



36.9240, 0.1974, 0.3303

Triad

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



36.9240, 0.2491, 0.4166



36.9240, 0.2219, 0.2087



36.9240, 0.4714, 0.3675

Complementary

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



36.9240, 0.2491, 0.4166



10.6740, 0.5879, 0.3014

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.



36.9240, 0.4402, 0.3099



36.9240, 0.2491, 0.4166



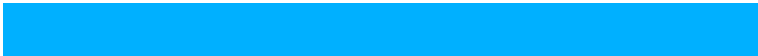
36.9240, 0.2864, 0.2236

Square

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



36.9240, 0.2491, 0.4166



36.9240, 0.1847, 0.2188



36.9240, 0.3682, 0.2593



36.9240, 0.4526, 0.4249

Rectangle

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



36.9240, 0.2491, 0.4166



36.9240, 0.1798, 0.2791



36.9240, 0.3682, 0.2593



36.9240, 0.4667, 0.3479

Sweetspot

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



36.9254, 0.2491, 0.4166



77.4828, 0.2793, 0.3511



35.7937, 0.3115, 0.5907



16.7939, 0.2753, 0.3546



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.9254, 0.2491, 0.4166



66.8788, 0.2496, 0.4184



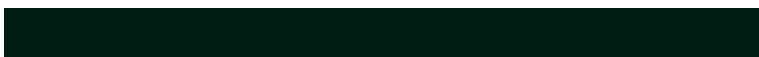
23.1036, 0.2034, 0.2520



10.1690, 0.3019, 0.3351



24.8519, 0.2488, 0.4156



0.8857, 0.2418, 0.3904

Inverse Universe

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



10.6740, 0.5879, 0.3014



19.2913, 0.5925, 0.3038



12.2220, 0.6107, 0.3530



9.0501, 0.3247, 0.3230



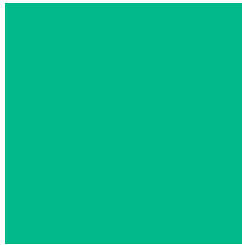
7.1837, 0.5853, 0.2998



0.2638, 0.5102, 0.2584

Previews

White Background



This preview shows how the Yxy color 36.9240, 0.2491, 0.4166 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 36.9240, 0.2491, 0.4166 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 36.9240, 0.2491, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 36.9240, 0.2491, 0.4166.



This preview shows how white text looks on a background with the Yxy color 36.9240, 0.2491, 0.4166.

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

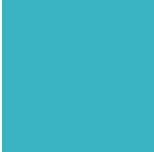
36.9240, 0.2491, 0.4166

Protanopia

36.2313, 0.3567, 0.3810

Deuteranopia

36.4418, 0.3533, 0.3470



Tritanopia

37.0511, 0.2285, 0.3067

Trichromacy



Original Color

36.9240, 0.2491, 0.4166



Protanomaly

34.0525, 0.2928, 0.3985



Deuteranomaly

33.7799, 0.2907, 0.3737



Tritanomaly

36.8851, 0.2337, 0.3438

Monochromacy



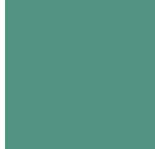
Original Color

36.9240, 0.2491, 0.4166



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.1579, 0.2668, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9240, 0.2491, 0.4166 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, 186, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 137)  
}
```

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, 186, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 137) }
```

Border

The CSS property to change the border of an element to Yxy 36.9240, 0.2491, 0.4166 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, 186, 137) }
```

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

```
.border{ border-color:rgb(0, 186, 137) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9240, 0.2491, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 137) }
```

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

```
.background{ background-color: rgb(0, 186,  
137) }
```

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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