

Converting Colors

$Y_{xy}(36.7324, 0.2487, 0.4336)$

Have a look what the booklet for
Yxy(36.7324, 0.2487, 0.4336)
contains.

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Color

Yxy(37.1256, 0.2537, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	00BB81
RGB	0, 187, 129
RGB Percent	0%, 73%, 51%
CMY	1.0000, 0.2666, 0.4941
CMYK	1.00, 0.00, 0.31, 0.27
HSL	161°, 100%, 37%
HSV	161°, 100%, 73%
XYZ	21.7273, 37.1256, 26.7887
YIQ	124.4750, -92.8340, -57.6820

Conversions

Conversions Part 2

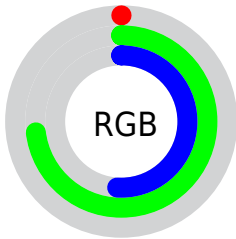
Format	Color
RYB	0, 111, 187
Decimal	48001
CIELab	67.37, -53.64, 18.42
CIELCh	67, 56.712, 161.045
Yxy	37.1256, 0.2537, 0.4335
Android (android.graphics.Color)	4278238081 (0xFF00BB81)
YUV	124.4750, 2.2308, -109.1646
Hunter-Lab	60.9308, -42.9777, 16.5843

Details

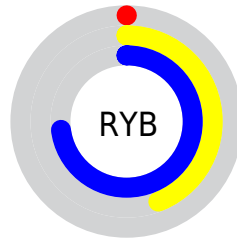
The Yxy color **37.1256, 0.2537, 0.4335** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.8719, 0.5728, 0.2929**, and the grayscale version is **20.3408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6202, 0.2661, 0.4110**, and **17.0670, 0.2618, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **37.1307, 0.2538, 0.4335**, and if you desaturate by 10%, it is **37.4248, 0.2524, 0.4219**.

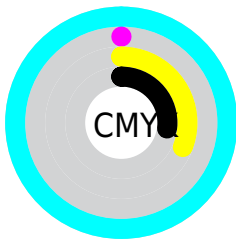
Distribution



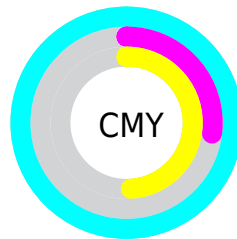
- Red (0%)
- Green (73%)
- Blue (51%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1256, 0.2537, 0.4335 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 37.1256, 0.2537, 0.4335 by changing the saturation by 10% instead.

 37.1256, 0.2537,
0.4335

 37.1256, 0.2537,
0.4335


333.8540, 0.2858,
0.3760

 25.3048, 0.2448,
0.4498


 70.7659, 0.2660,
0.4112


 16.3043, 0.2328,
0.4719


 93.3542, 0.2704,
0.4033

 9.7397, 0.2158,
0.5036


 120.3004, 0.2741,
0.3967

 5.2267, 0.1903,
0.5523

 151.9889, 0.2772,
0.3912

 2.3809, 0.1399,
0.6426

 188.8041, 0.2798,
0.3866

 0.8160, 0.0000,
1.0000

 231.1304, 0.2821,

 0.0000, 0.0000,

0.3825

0.0000

279.3522, 0.2841,
0.3790

■ 37.1256, 0.2537,
0.4335

■ 37.1256, 0.2537,
0.4335

■ 37.1307, 0.2538,
0.4335

■ 37.4248, 0.2524,
0.4219

■ 37.8578, 0.2527,
0.4101

■ 38.4773, 0.2550,
0.3983

■ 39.3074, 0.2592,
0.3867

■ 40.3682, 0.2652,
0.3755

■ 41.6774, 0.2727,
0.3647

■ 43.2512, 0.2815,
0.3546

■ 45.1040, 0.2913,
0.3453

■ 47.2496, 0.3018,
0.3367

Harmonies

Analogous

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



37.1256, 0.3320, 0.4850



37.1256, 0.2537, 0.4335



37.1256, 0.1959, 0.3415

Triad

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



37.1256, 0.2537, 0.4335



37.1256, 0.2101, 0.2022



37.1256, 0.4800, 0.3604

Complementary

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



37.1256, 0.2537, 0.4335



10.8719, 0.5728, 0.2929

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.



37.1256, 0.4404, 0.3008



37.1256, 0.2537, 0.4335



37.1256, 0.2744, 0.2148

Square

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



37.1256, 0.2537, 0.4335



37.1256, 0.1753, 0.2159



37.1256, 0.3601, 0.2496



37.1256, 0.4654, 0.4215

Rectangle

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



37.1256, 0.2537, 0.4335



37.1256, 0.1750, 0.2847



37.1256, 0.3601, 0.2496



37.1256, 0.4728, 0.3400

Sweetspot

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



37.1307, 0.2538, 0.4335



77.3037, 0.2811, 0.3551



36.4823, 0.3155, 0.5877



16.7498, 0.2772, 0.3593



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.



37.1307, 0.2538, 0.4335



66.4470, 0.2543, 0.4353



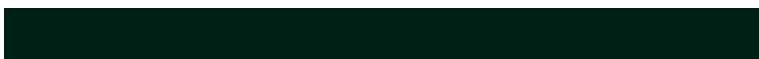
26.2814, 0.2081, 0.2692



10.7578, 0.3025, 0.3362



25.5932, 0.2534, 0.4321



1.0138, 0.2456, 0.4043

Inverse Universe

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



10.8719, 0.5728, 0.2929



19.4316, 0.5768, 0.2951



11.7268, 0.6207, 0.3454



9.5838, 0.3241, 0.3219



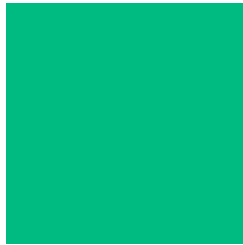
7.5014, 0.5697, 0.2912



0.3059, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 37.1256, 0.2537, 0.4335 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 37.1256, 0.2537, 0.4335 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 37.1256, 0.2537, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 37.1256, 0.2537, 0.4335.



This preview shows how white text looks on a background with the Yxy color 37.1256, 0.2537, 0.4335.

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

37.1256, 0.2537, 0.4335

Protanopia

36.6164, 0.3658, 0.3934

Deuteranopia

36.5829, 0.3643, 0.3579



Tritanopia

37.1472, 0.2295, 0.3067

Trichromacy



Original Color

37.1256, 0.2537, 0.4335



Protanomaly

34.2897, 0.2996, 0.4140



Deuteranomaly

33.6918, 0.2987, 0.3873



Tritanomaly

36.8093, 0.2356, 0.3489

Monochromacy



Original Color

37.1256, 0.2537, 0.4335



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.0361, 0.2684, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1256, 0.2537, 0.4335 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, 187, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 129)  
}
```

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, 187, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 129) }
```

Border

The CSS property to change the border of an element to Yxy 37.1256, 0.2537, 0.4335 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, 187, 129) }
```

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

```
.border{ border-color:rgb(0, 187, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 187, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1256, 0.2537, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 129) }
```

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

```
.background{ background-color: rgb(0, 187,  
129) }
```

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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