

Converting Colors

$Y_{xy}(37.2108, 0.2458, 0.4198)$

Have a look what the booklet for
Yxy(37.2108, 0.2458, 0.4198)
contains.

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Color

Yxy(37.3468, 0.2495, 0.4181)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00BB89 |
| RGB | 0, 187, 137 |
| RGB Percent | 0%, 73%, 54% |
| CMY | 0.9989, 0.2667, 0.4628 |
| CMYK | 1.00, 0.00, 0.27, 0.27 |
| HSL | 164°, 100%, 37% |
| HSV | 164°, 100%, 73% |
| XYZ | 22.2866, 37.3468, 29.6916 |
| YIQ | 125.3870, -95.4020, -55.1940 |

Conversions

Conversions Part 2

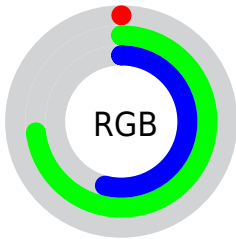
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 108, 187 |
| Decimal | 48009 |
| CIELab | 67.54, -51.75, 14.33 |
| CIELCh | 68, 53.697, 164.518 |
| Yxy | 37.3468, 0.2495, 0.4181 |
| Android (android.graphics.Color) | 4278238089 (0xFF00BB89) |
| YUV | 125.3870, 5.7252, -109.9644 |
| Hunter-Lab | 61.1120, -41.8499, 13.9720 |

Details

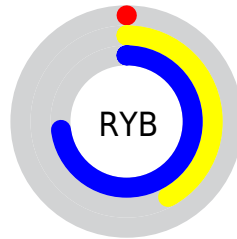
The Yxy color **37.3468, 0.2495, 0.4181** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.8036, 0.5870, 0.3009**, and the grayscale version is **20.6779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9605, 0.2624, 0.3998**, and **17.1906, 0.2559, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **37.3444, 0.2495, 0.4182**, and if you desaturate by 10%, it is **37.6318, 0.2486, 0.4082**.

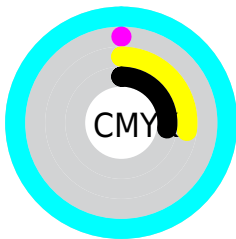
Distribution



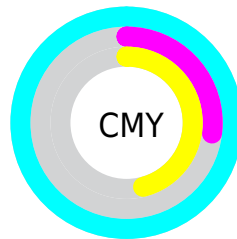
- Red (0%)
- Green (73%)
- Blue (54%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3468, 0.2495, 0.4181 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 37.3468, 0.2495, 0.4181 by changing the saturation by 10% instead.


 37.3468, 0.2495,
0.4181


 37.3468, 0.2495,
0.4181

 334.8095, 0.2832,
0.3695

 25.4761, 0.2404,
0.4317


 71.1058, 0.2623,
0.3994

 16.4321, 0.2282,
0.4500


 93.7630, 0.2669,
0.3927

 9.8305, 0.2113,
0.4762


 120.7844, 0.2708,
0.3872

 5.2867, 0.1863,
0.5161

 152.5545, 0.2741,
0.3825

 2.4164, 0.1413,
0.5868

 189.4577, 0.2768,
0.3785

 0.8343, 0.0000,
1.0000

 231.8783, 0.2793,

 0.0000, 0.0000,

0.3751

0.0000

280.2008, 0.2814,
0.3721

■ 37.3468, 0.2495,
0.4181

■ 37.3468, 0.2495,
0.4181

■ 37.3444, 0.2495,
0.4182

■ 37.6318, 0.2486,
0.4082

■ 38.0533, 0.2493,
0.3982

■ 38.6597, 0.2519,
0.3882

■ 39.4746, 0.2565,
0.3783

■ 40.5181, 0.2629,
0.3687

■ 41.8080, 0.2708,
0.3595

■ 43.3602, 0.2801,
0.3509

■ 45.1893, 0.2904,
0.3429

■ 47.3087, 0.3014,
0.3356

Harmonies

Analogous

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



37.3468, 0.3229, 0.4732



37.3468, 0.2495, 0.4181



37.3468, 0.1972, 0.3312

Triad

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



37.3468, 0.2495, 0.4181



37.3468, 0.2208, 0.2081



37.3468, 0.4722, 0.3669

Complementary

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



37.3468, 0.2495, 0.4181



10.8036, 0.5870, 0.3009

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.



37.3468, 0.4402, 0.3091



37.3468, 0.2495, 0.4181



37.3468, 0.2853, 0.2228

Square

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



37.3468, 0.2495, 0.4181



37.3468, 0.1839, 0.2185



37.3468, 0.3675, 0.2584



37.3468, 0.4538, 0.4246

Rectangle

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



37.3468, 0.2495, 0.4181



37.3468, 0.1793, 0.2796



37.3468, 0.3675, 0.2584



37.3468, 0.4673, 0.3472

Sweetspot

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



37.3483, 0.2495, 0.4181



77.4678, 0.2795, 0.3514



36.3033, 0.3127, 0.5898



16.7902, 0.2754, 0.3550



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.



37.3483, 0.2495, 0.4181



66.8416, 0.2499, 0.4198



24.3151, 0.2050, 0.2577



10.7647, 0.3020, 0.3352



25.7429, 0.2492, 0.4170



1.0187, 0.2426, 0.3933

Inverse Universe

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



10.8036, 0.5870, 0.3009



19.3020, 0.5913, 0.3031



12.1327, 0.6143, 0.3503



9.5772, 0.3247, 0.3229



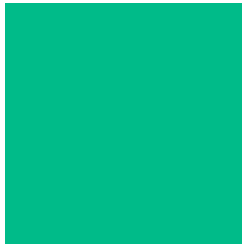
7.4490, 0.5844, 0.2993



0.3031, 0.5140, 0.2605

Previews

White Background



This preview shows how the Yxy color 37.3468, 0.2495, 0.4181 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 37.3468, 0.2495, 0.4181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

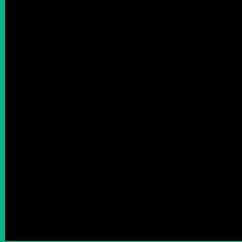
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3468, 0.2495, 0.4181

Background



This preview shows how black text looks on a background with the Yxy color 37.3468, 0.2495, 0.4181.



This preview shows how white text looks on a background with the Yxy color 37.3468, 0.2495, 0.4181.

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

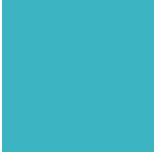
37.3468, 0.2495, 0.4181

Protanopia

36.6994, 0.3574, 0.3822

Deuteranopia

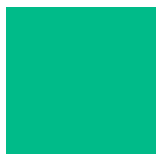
36.5667, 0.3543, 0.3470



Tritanopia

37.5297, 0.2288, 0.3068

Trichromacy



Original Color

37.3468, 0.2495, 0.4181



Protanomaly

34.4963, 0.2937, 0.3998



Deuteranomaly

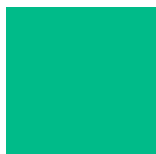
33.7799, 0.2907, 0.3737



Tritanomaly

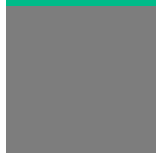
37.3154, 0.2343, 0.3454

Monochromacy



Original Color

37.3468, 0.2495, 0.4181



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.4703, 0.2670, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3468, 0.2495, 0.4181 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 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, 187, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 137) }
```

Border

The CSS property to change the border of an element to Yxy 37.3468, 0.2495, 0.4181 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, 137) }
```

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

```
.border{ border-color:rgb(0, 187, 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, 187, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3468, 0.2495, 0.4181 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, 137) }
```

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

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