

Converting Colors

$Yxy(37.0409, 0.2469, 0.4089)$

Have a look what the booklet for
Yxy(37.0409, 0.2469, 0.4089)
contains.

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Color

Yxy(37.0409, 0.2469, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	00BA8D
RGB	0, 186, 141
RGB Percent	0%, 73%, 55%
CMY	1.0000, 0.2706, 0.4470
CMYK	1.00, 0.00, 0.24, 0.27
HSL	165°, 100%, 36%
HSV	165°, 100%, 73%
XYZ	22.3659, 37.0409, 31.1799
YIQ	125.2560, -96.4110, -53.4270

Conversions

Conversions Part 2

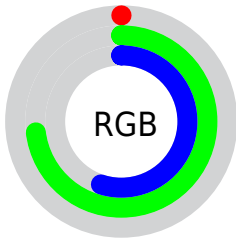
Format	Color
RYB	0, 106, 186
Decimal	47757
CIELab	67.31, -50.40, 11.81
CIELCh	67, 51.762, 166.814
Yxy	37.0409, 0.2469, 0.4089
Android (android.graphics.Color)	4278237837 (0xFF00BA8D)
YUV	125.2560, 7.7618, -109.8495
Hunter-Lab	60.8612, -40.9103, 12.2279

Details

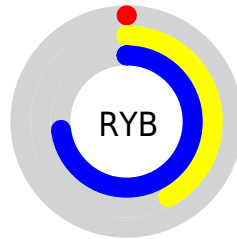
The Yxy color **37.0409, 0.2469, 0.4089** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.6290, 0.5956, 0.3055**, and the grayscale version is **20.5986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5827, 0.2599, 0.3917**, and **17.2579, 0.2529, 0.4305** is the 20% darker color. If you saturate the color by 10%, you get **37.0438, 0.2469, 0.4089**, and if you desaturate by 10%, it is **37.3149, 0.2463, 0.4000**.

Distribution



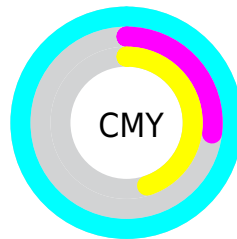
- Red (0%)
- Green (73%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0409, 0.2469, 0.4089 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 37.0409, 0.2469, 0.4089 by changing the saturation by 10% instead.


 37.0409, 0.2469,
0.4089


 37.0409, 0.2469,
0.4089


333.4876, 0.2818,
0.3656


 25.2392, 0.2376,
0.4209


 70.6357, 0.2600,
0.3923

 16.2553, 0.2252,
0.4372


 93.1975, 0.2648,
0.3863


 9.7050, 0.2081,
0.4602


 120.1148, 0.2688,
0.3814

 5.2038, 0.1831,
0.4952

 151.7720, 0.2722,
0.3772

 2.3673, 0.1390,
0.5570

 188.5535, 0.2751,
0.3736

 0.8090, 0.0000,
0.9360

 230.8437, 0.2776,

 0.0000, 0.0000,

0.3706

0.0000

279.0269, 0.2798,
0.3679

■ 37.0409, 0.2469,
0.4089

■ 37.0409, 0.2469,
0.4089

■ 37.0438, 0.2469,
0.4089

■ 37.3149, 0.2463,
0.4000

■ 37.7197, 0.2472,
0.3911

■ 38.3054, 0.2500,
0.3822

■ 39.0956, 0.2547,
0.3733

■ 40.1101, 0.2613,
0.3648

■ 41.3663, 0.2695,
0.3566

■ 42.8801, 0.2790,
0.3488

■ 44.6657, 0.2895,
0.3416

■ 46.7366, 0.3009,
0.3350

Harmonies

Analogous

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



37.0409, 0.3173, 0.4658



37.0409, 0.2469, 0.4089



37.0409, 0.1980, 0.3252

Triad

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



37.0409, 0.2469, 0.4089



37.0409, 0.2275, 0.2117



37.0409, 0.4674, 0.3708

Complementary

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



37.0409, 0.2469, 0.4089



10.6290, 0.5956, 0.3055

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.



37.0409, 0.4400, 0.3141



37.0409, 0.2469, 0.4089



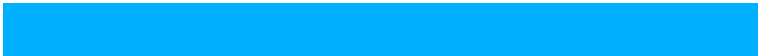
37.0409, 0.2921, 0.2277

Square

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



37.0409, 0.2469, 0.4089



37.0409, 0.1892, 0.2201



37.0409, 0.3719, 0.2639



37.0409, 0.4466, 0.4264

Rectangle

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



37.0409, 0.2469, 0.4089



37.0409, 0.1820, 0.2766



37.0409, 0.3719, 0.2639



37.0409, 0.4638, 0.3516

Sweetspot

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



37.0438, 0.2469, 0.4089



77.5705, 0.2785, 0.3492



35.7125, 0.3101, 0.5920



16.8156, 0.2743, 0.3524



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.



37.0438, 0.2469, 0.4089



67.1001, 0.2473, 0.4103



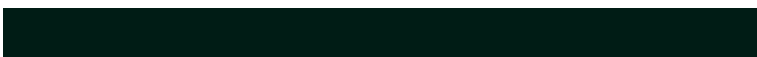
22.1568, 0.2017, 0.2459



10.1725, 0.3017, 0.3346



24.9327, 0.2466, 0.4077



0.8880, 0.2403, 0.3849

Inverse Universe

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



10.6290, 0.5956, 0.3055



19.2329, 0.5994, 0.3076



12.4331, 0.6078, 0.3556



9.0469, 0.3251, 0.3235



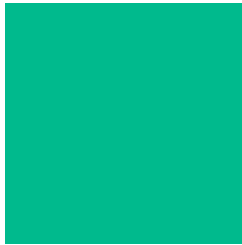
7.1606, 0.5925, 0.3037



0.2624, 0.5184, 0.2630

Previews

White Background



This preview shows how the Yxy color 37.0409, 0.2469, 0.4089 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 37.0409, 0.2469, 0.4089 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 37.0409, 0.2469, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 37.0409, 0.2469, 0.4089.



This preview shows how white text looks on a background with the Yxy color 37.0409, 0.2469, 0.4089.

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

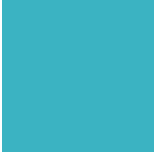
37.0409, 0.2469, 0.4089

Protanopia

36.3366, 0.3529, 0.3752

Deuteranopia

36.4109, 0.3493, 0.3429



Tritanopia

37.0650, 0.2277, 0.3052

Trichromacy



Original Color

37.0409, 0.2469, 0.4089



Protanomaly

34.1620, 0.2899, 0.3914



Deuteranomaly

33.8315, 0.2869, 0.3669



Tritanomaly

36.9631, 0.2327, 0.3404

Monochromacy



Original Color

37.0409, 0.2469, 0.4089



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.2116, 0.2652, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0409, 0.2469, 0.4089 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 141) }
```

Border

The CSS property to change the border of an element to Yxy 37.0409, 0.2469, 0.4089 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, 141) }
```

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

```
.border{ border-color:rgb(0, 186, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0409, 0.2469, 0.4089 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, 141) }
```

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

```
.background{ background-color: rgb(0, 186,  
141) }
```

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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