

Converting Colors

$Yxy(38.1077, 0.2669, 0.4342)$

Have a look what the booklet for
Yxy(38.1077, 0.2669, 0.4342)
contains.

Yxy(37.9725, 0.2668, 0.4340)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9725, 0.2668, 0.4340)

Conversions

Conversions Part 1

Format	Color
Hex	3ABB7F
RGB	58, 187, 127
RGB Percent	23%, 73%, 50%
CMY	0.7728, 0.2666, 0.5019
CMYK	0.69, 0.00, 0.32, 0.27
HSL	152°, 53%, 48%
HSV	152°, 69%, 73%
XYZ	23.3435, 37.9725, 26.1783
YIQ	141.5890, -57.6240, -46.0080

Conversions

Conversions Part 2

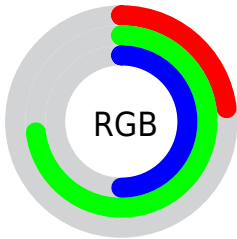
Format	Color
RYB	58, 142, 187
Decimal	3849087
CIELab	68.00, -48.95, 20.47
CIElCh	68, 53.055, 157.310
Yxy	37.9725, 0.2668, 0.4340
Android (android.graphics.Color)	4282039167 (0xFF3ABB7F)
YUV	141.5890, -7.1924, -73.3076
Hunter-Lab	61.6218, -40.2192, 17.9476

Details

The Yxy color **37.9725, 0.2668, 0.4340** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **14.8928, 0.4296, 0.2531**, and the grayscale version is **26.9199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9897, 0.2764, 0.4117**, and **17.3109, 0.2637, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **37.2953, 0.2656, 0.4522**, and if you desaturate by 10%, it is **38.8758, 0.2699, 0.4160**.

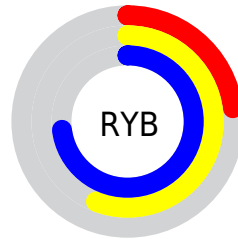
Distribution



Red (23%)

Green (73%)

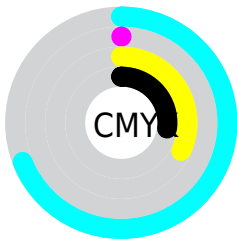
Blue (50%)



Red (23%)

Yellow (56%)

Blue (73%)

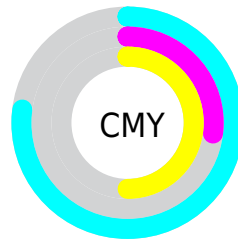


Cyan (69%)

Magenta (0%)

Yellow (32%)

Black (27%)



Cyan (77%)


Magenta (27%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9725, 0.2668, 0.4340 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 37.9725, 0.2668, 0.4340 by changing the saturation by 10% instead.

 37.9725, 0.2668,
0.4340


 37.9725, 0.2668,
0.4340


337.5020, 0.2921,
0.3763


 25.9613, 0.2596,
0.4502

 72.0660, 0.2766,
0.4117


 16.7947, 0.2498,
0.4723


 94.9171, 0.2801,
0.4038

 10.0882, 0.2358,
0.5037

 122.1503, 0.2830,
0.3972

 5.4575, 0.2142,
0.5518

 154.1501, 0.2854,
0.3917

 2.5181, 0.1767,
0.6365

 191.3007, 0.2875,
0.3870

 0.8857, 0.0000,
1.0000

233.9867, 0.2893,

 0.0000, 0.0000,

0.3830

0.0000

282.5923, 0.2908,
0.3794

■ 37.9725, 0.2668,
0.4340

■ 37.9725, 0.2668,
0.4340

■ 37.2953, 0.2656,
0.4522

■ 38.8758, 0.2699,
0.4160

■ 36.8157, 0.2664,
0.4700

■ 40.0208, 0.2747,
0.3985

■ 36.4937, 0.2689,
0.4872

■ 41.4270, 0.2810,
0.3819

■ 36.4652, 0.2691,
0.4888

■ 43.1105, 0.2882,
0.3665

■ 45.0862, 0.2963,
0.3523

■ 47.3677, 0.3048,
0.3395

■ 49.9681, 0.3136,
0.3279

■ 52.8993, 0.3224,
0.3177

■ 56.1728, 0.3311,
0.3086

Harmonies

Analogous

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



37.9725, 0.3413, 0.4747



37.9725, 0.2668, 0.4340



37.9725, 0.2088, 0.3519

Triad

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



37.9725, 0.2668, 0.4340



37.9725, 0.2109, 0.2099



37.9725, 0.4666, 0.3526

Complementary

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



37.9725, 0.2668, 0.4340



14.8928, 0.4296, 0.2531

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.



37.9725, 0.4236, 0.2966



37.9725, 0.2668, 0.4340



37.9725, 0.2684, 0.2187

Square

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



37.9725, 0.2668, 0.4340



37.9725, 0.1812, 0.2269



37.9725, 0.3468, 0.2494



37.9725, 0.4600, 0.4104

Rectangle

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



37.9725, 0.2668, 0.4340



37.9725, 0.1861, 0.2976



37.9725, 0.3468, 0.2494



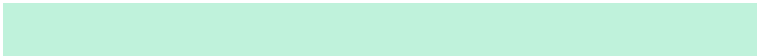
37.9725, 0.4575, 0.3334

Sweetspot

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



37.9740, 0.2668, 0.4340



79.8719, 0.2944, 0.3555



39.7124, 0.3424, 0.5223



17.3689, 0.2921, 0.3594



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.



37.9740, 0.2668, 0.4340



66.2910, 0.2658, 0.4617



38.2315, 0.2323, 0.3219



10.7327, 0.3045, 0.3399



25.1373, 0.2686, 0.4868



0.9977, 0.2570, 0.4452

Inverse Universe

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



14.8928, 0.4296, 0.2531



22.2598, 0.4703, 0.2501



14.3425, 0.5361, 0.3344



9.6082, 0.3217, 0.3184



7.7670, 0.5081, 0.2573



0.3175, 0.4519, 0.2263

Previews

White Background



This preview shows how the Yxy color 37.9725, 0.2668, 0.4340 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 37.9725, 0.2668, 0.4340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

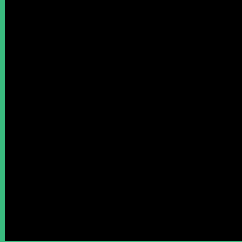
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9725, 0.2668, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 37.9725, 0.2668, 0.4340.



This preview shows how white text looks on a background with the Yxy color 37.9725, 0.2668, 0.4340.

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

37.9725, 0.2668, 0.4340

Protanopia

37.1824, 0.3683, 0.3956

Deuteranopia

37.2235, 0.3700, 0.3630



Tritanopia

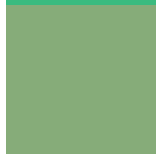
37.9753, 0.2379, 0.3072

Trichromacy



Original Color

37.9725, 0.2668, 0.4340



Protanomaly

35.9539, 0.3203, 0.4107



Deuteranomaly

35.8543, 0.3208, 0.3885



Tritanomaly

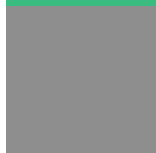
37.8163, 0.2480, 0.3501

Monochromacy



Original Color

37.9725, 0.2668, 0.4340



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.6394, 0.2873, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9725, 0.2668, 0.4340 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(58, 187, 127)` looks like.

```
.text, #text, p{  
    color:rgb(58, 187, 127)  
}
```

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(58, 187, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 187, 127) }
```

Border

The CSS property to change the border of an element to Yxy 37.9725, 0.2668, 0.4340 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(58, 187, 127) }
```

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

```
.border{ border-color:rgb(58, 187, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 187, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 187, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 187, 127);  
box-shadow:4px 4px 4px 4px rgb(58, 187,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9725, 0.2668, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 187, 127) }
```

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

```
.background{ background-color: rgb(58, 187,  
127) }
```

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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