

Converting Colors

$Y_{xy}(37.3777, 0.2694, 0.4297)$

Have a look what the booklet for
Yxy(37.3777, 0.2694, 0.4297)
contains.

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Color

Yxy(37.3885, 0.2697, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	42B97F
RGB	66, 185, 127
RGB Percent	26%, 73%, 50%
CMY	0.7409, 0.2745, 0.5021
CMYK	0.64, 0.00, 0.31, 0.27
HSL	151°, 47%, 49%
HSV	151°, 64%, 73%
XYZ	23.4286, 37.3885, 26.0521
YIQ	142.8070, -52.3060, -43.2660

Conversions

Conversions Part 2

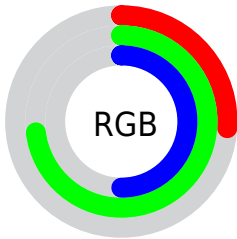
Format	Color
RYB	66, 145, 185
Decimal	4372863
CIELab	67.57, -46.70, 19.92
CIELCh	68, 50.774, 156.901
Yxy	37.3885, 0.2697, 0.4304
Android (android.graphics.Color)	4282562943 (0xFF42B97F)
YUV	142.8070, -7.7929, -67.3597
Hunter-Lab	61.1461, -38.6121, 17.5411

Details

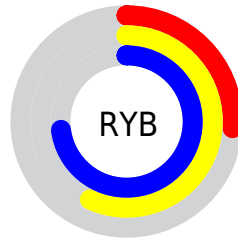
The Yxy color **37.3885, 0.2697, 0.4304** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **15.6765, 0.4126, 0.2526**, and the grayscale version is **27.4418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2352, 0.2790, 0.4089**, and **16.7827, 0.2620, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **36.6224, 0.2677, 0.4495**, and if you desaturate by 10%, it is **38.3865, 0.2735, 0.4117**.

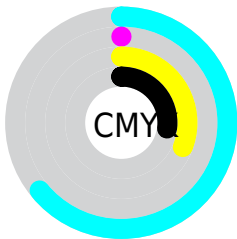
Distribution



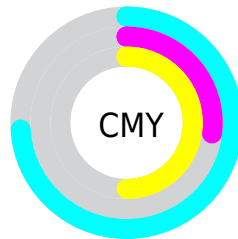
- Red (26%)
- Green (73%)
- Blue (50%)



- Red (26%)
- Yellow (57%)
- Blue (73%)



- Cyan (64%)
- Magenta (0%)
- Yellow (31%)
- Black (27%)





- Cyan (74%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3885, 0.2697, 0.4304 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 37.3885, 0.2697, 0.4304 by changing the saturation by 10% instead.

 37.3885, 0.2697,
0.4304


 37.3885, 0.2697,
0.4304


334.9895, 0.2935,
0.3747


 25.5084, 0.2629,
0.4461


 71.1699, 0.2790,
0.4089


 16.4563, 0.2536,
0.4675


 93.8400, 0.2822,
0.4012


 9.8476, 0.2403,
0.4980


 120.8756, 0.2849,
0.3948

 5.2980, 0.2196,
0.5449

 152.6611, 0.2872,
0.3895

 2.4232, 0.1837,
0.6283

 189.5808, 0.2891,
0.3850

 0.8378, 0.0000,
1.0000

232.0192, 0.2908,

 0.0000, 0.0000,

0.3811

0.0000

280.3606, 0.2922,
0.3777

■ 37.3885, 0.2697,
0.4304

■ 37.3885, 0.2697,
0.4304

■ 36.6224, 0.2677,
0.4495

■ 38.3865, 0.2735,
0.4117

■ 36.0624, 0.2677,
0.4684

■ 39.6305, 0.2788,
0.3937

■ 35.6840, 0.2697,
0.4866

■ 41.1388, 0.2853,
0.3768

■ 35.5191, 0.2713,
0.4966

■ 42.9264, 0.2927,
0.3612

■ 45.0073, 0.3007,
0.3469

■ 47.3945, 0.3091,
0.3341

■ 50.1004, 0.3176,
0.3226

■ 53.1363, 0.3260,
0.3125

■ 56.5133, 0.3342,
0.3036

Harmonies

Analogous

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



37.3885, 0.3419, 0.4690



37.3885, 0.2697, 0.4304



37.3885, 0.2131, 0.3524

Triad

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



37.3885, 0.2697, 0.4304



37.3885, 0.2137, 0.2138



37.3885, 0.4606, 0.3517

Complementary

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



37.3885, 0.2697, 0.4304



15.6765, 0.4126, 0.2526

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.



37.3885, 0.4185, 0.2972



37.3885, 0.2697, 0.4304



37.3885, 0.2692, 0.2219

Square

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



37.3885, 0.2697, 0.4304



37.3885, 0.1851, 0.2310



37.3885, 0.3446, 0.2515



37.3885, 0.4553, 0.4076

Rectangle

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



37.3885, 0.2697, 0.4304



37.3885, 0.1906, 0.3001



37.3885, 0.3446, 0.2515



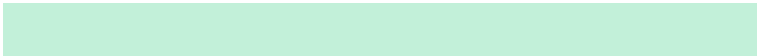
37.3885, 0.4516, 0.3331

Sweetspot

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



37.3900, 0.2697, 0.4304



78.6686, 0.2967, 0.3539



39.4921, 0.3457, 0.5080



16.7359, 0.2944, 0.3580



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.3900, 0.2697, 0.4304



65.1505, 0.2675, 0.4570



39.3610, 0.2369, 0.3288



10.1348, 0.3049, 0.3404



24.2004, 0.2707, 0.4944



0.8656, 0.2577, 0.4478

Inverse Universe

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



15.6765, 0.4126, 0.2526



23.2675, 0.4469, 0.2457



14.6131, 0.5175, 0.3296



9.0833, 0.3214, 0.3179



7.5434, 0.4982, 0.2518



0.2784, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 37.3885, 0.2697, 0.4304 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 37.3885, 0.2697, 0.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

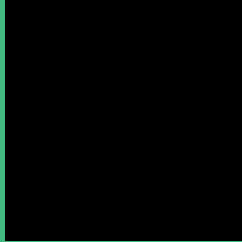
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3885, 0.2697, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 37.3885, 0.2697, 0.4304.



This preview shows how white text looks on a background with the Yxy color 37.3885, 0.2697, 0.4304.

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

37.3885, 0.2697, 0.4304

Protanopia

36.7088, 0.3677, 0.3946

Deuteranopia

36.6262, 0.3684, 0.3619



Tritanopia

37.2806, 0.2402, 0.3071

Trichromacy



Original Color

37.3885, 0.2697, 0.4304



Protanomaly

35.7405, 0.3222, 0.4089



Deuteranomaly

35.2054, 0.3221, 0.3854



Tritanomaly

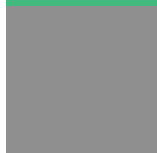
37.1751, 0.2502, 0.3485

Monochromacy



Original Color

37.3885, 0.2697, 0.4304



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.9047, 0.2907, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3885, 0.2697, 0.4304 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(66, 185, 127)` looks like.

```
.text, #text, p{  
    color:rgb(66, 185, 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(66, 185, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 185, 127) }
```

Border

The CSS property to change the border of an element to Yxy 37.3885, 0.2697, 0.4304 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(66, 185, 127) }
```

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

```
.border{ border-color:rgb(66, 185, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 185, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 185, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 185, 127);  
box-shadow:4px 4px 4px 4px rgb(66, 185,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3885, 0.2697, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 185, 127) }
```

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

```
.background{ background-color: rgb(66, 185,  
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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