

Converting Colors

$Yxy(37.4840, 0.2686, 0.4200)$

Have a look what the booklet for
Yxy(37.4840, 0.2686, 0.4200)
contains.

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Color

Yxy(37.6660, 0.2685, 0.4207)

Conversions

Conversions Part 1

Format	Color
Hex	46B984
RGB	70, 185, 132
RGB Percent	27%, 73%, 52%
CMY	0.7254, 0.2745, 0.4824
CMYK	0.62, 0.00, 0.29, 0.27
HSL	152°, 45%, 50%
HSV	152°, 62%, 73%
XYZ	24.0393, 37.6660, 27.8265
YIQ	144.5730, -51.5270, -40.8630

Conversions

Conversions Part 2

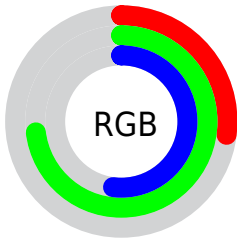
Format	Color
RYB	70, 145, 185
Decimal	4635012
CIELab	67.77, -44.89, 17.52
CIELCh	68, 48.189, 158.683
Yxy	37.6660, 0.2685, 0.4207
Android (android.graphics.Color)	4282825092 (0xFF46B984)
YUV	144.5730, -6.1985, -65.4005
Hunter-Lab	61.3726, -37.4848, 16.0786

Details

The Yxy color **37.6660, 0.2685, 0.4207** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.1278, 0.4130, 0.2584**, and the grayscale version is **28.1761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6742, 0.2779, 0.4019**, and **16.8418, 0.2591, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **36.8581, 0.2659, 0.4386**, and if you desaturate by 10%, it is **38.7080, 0.2729, 0.4032**.

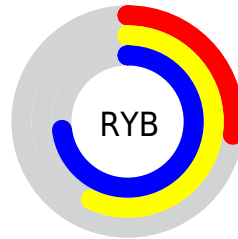
Distribution



Red (27%)

Green (73%)

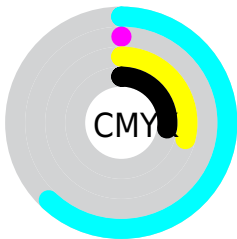
Blue (52%)



Red (27%)

Yellow (57%)

Blue (73%)

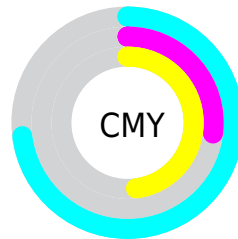


Cyan (62%)

Magenta (0%)

Yellow (29%)

Black (27%)



Cyan (73%)


Magenta (27%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6660, 0.2685, 0.4207 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 37.6660, 0.2685, 0.4207 by changing the saturation by 10% instead.


 37.6660, 0.2685,
0.4207


 37.6660, 0.2685,
0.4207


336.1850, 0.2926,
0.3706


 25.7236, 0.2618,
0.4348


 71.5959, 0.2778,
0.4014

 16.6170, 0.2526,
0.4538


 94.3522, 0.2811,
0.3945


 9.9618, 0.2396,
0.4810


 121.4819, 0.2839,
0.3888

 5.3736, 0.2198,
0.5226

 153.3693, 0.2862,
0.3840

 2.4681, 0.1861,
0.5933

 190.3990, 0.2881,
0.3799

 0.8606, 0.0000,
1.0000

232.9552, 0.2898,

 0.0000, 0.0000,

0.3764

0.0000

281.4224, 0.2913,
0.3733

■ 37.6660, 0.2685,
0.4207

■ 37.6660, 0.2685,
0.4207

■ 36.8581, 0.2659,
0.4386

■ 38.7080, 0.2729,
0.4032

■ 36.2590, 0.2653,
0.4566

■ 39.9975, 0.2787,
0.3865

■ 35.8457, 0.2667,
0.4741

■ 41.5523, 0.2857,
0.3708

■ 35.6137, 0.2687,
0.4874

■ 43.3872, 0.2936,
0.3564

■ 45.5158, 0.3021,
0.3432

■ 47.9510, 0.3108,
0.3314

■ 50.7047, 0.3197,
0.3208

■ 53.7882, 0.3285,
0.3115

■ 57.2124, 0.3371,
0.3033

Harmonies

Analogous

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



37.6660, 0.3369, 0.4603



37.6660, 0.2685, 0.4207



37.6660, 0.2156, 0.3468

Triad

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



37.6660, 0.2685, 0.4207



37.6660, 0.2208, 0.2188



37.6660, 0.4538, 0.3547

Complementary

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



37.6660, 0.2685, 0.4207



16.1278, 0.4130, 0.2584

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.



37.6660, 0.4163, 0.3020



37.6660, 0.2685, 0.4207



37.6660, 0.2754, 0.2278

Square

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



37.6660, 0.2685, 0.4207



37.6660, 0.1917, 0.2341



37.6660, 0.3476, 0.2573



37.6660, 0.4468, 0.4078

Rectangle

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



37.6660, 0.2685, 0.4207



37.6660, 0.1950, 0.2981



37.6660, 0.3476, 0.2573



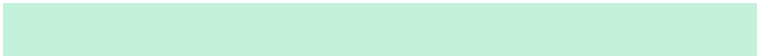
37.6660, 0.4461, 0.3367

Sweetspot

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



37.6675, 0.2685, 0.4207



78.7325, 0.2960, 0.3525



39.4028, 0.3421, 0.5044



16.7514, 0.2936, 0.3564



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.



37.6675, 0.2685, 0.4207



65.5298, 0.2654, 0.4460



37.9227, 0.2369, 0.3227



10.1389, 0.3045, 0.3397



24.2636, 0.2681, 0.4853



0.8677, 0.2558, 0.4408

Inverse Universe

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



16.1278, 0.4130, 0.2584



23.6743, 0.4495, 0.2510



15.6344, 0.5037, 0.3343



9.0793, 0.3218, 0.3185



7.4874, 0.5094, 0.2580



0.2765, 0.4485, 0.2245

Previews

White Background



This preview shows how the Yxy color 37.6660, 0.2685, 0.4207 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 37.6660, 0.2685, 0.4207 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 37.6660, 0.2685, 0.4207

Background



This preview shows how black text looks on a background with the Yxy color 37.6660, 0.2685, 0.4207.

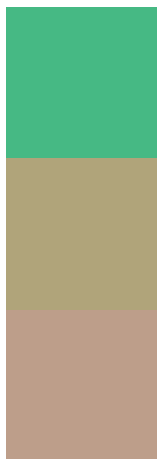


This preview shows how white text looks on a background with the Yxy color 37.6660, 0.2685, 0.4207.

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

37.6660, 0.2685, 0.4207

Protanopia

37.1862, 0.3627, 0.3888

Deuteranopia

37.1075, 0.3630, 0.3564



Tritanopia

37.4237, 0.2406, 0.3057

Trichromacy



Original Color

37.6660, 0.2685, 0.4207



Protanomaly

36.3298, 0.3190, 0.4019



Deuteranomaly

35.8938, 0.3196, 0.3786



Tritanomaly

37.3838, 0.2505, 0.3450

Monochromacy



Original Color

37.6660, 0.2685, 0.4207



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.8866, 0.2910, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6660, 0.2685, 0.4207 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(70, 185, 132)` looks like.

```
.text, #text, p{  
    color:rgb(70, 185, 132)  
}
```

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(70, 185, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 185, 132) }
```

Border

The CSS property to change the border of an element to Yxy 37.6660, 0.2685, 0.4207 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(70, 185, 132) }
```

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

```
.border{ border-color:rgb(70, 185, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 185, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 185, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 185, 132);  
box-shadow:4px 4px 4px 4px rgb(70, 185,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6660, 0.2685, 0.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 185, 132) }
```

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

```
.background{ background-color: rgb(70, 185,  
132) }
```

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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