

Converting Colors

$Yxy(40.8400, 0.2970, 0.4362)$

Have a look what the booklet for
Yxy(40.8400, 0.2970, 0.4362)
contains.

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Color

Yxy(40.9885, 0.2976, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	6CBD7A
RGB	108, 189, 122
RGB Percent	42%, 74%, 48%
CMY	0.5765, 0.2588, 0.5216
CMYK	0.43, 0.00, 0.35, 0.26
HSL	130°, 38%, 58%
HSV	130°, 43%, 74%
XYZ	27.8943, 40.9885, 24.8480
YIQ	157.1430, -26.7690, -38.0090

Conversions

Conversions Part 2

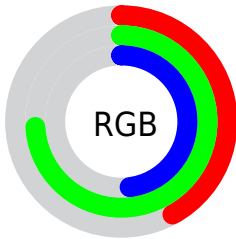
Format	Color
RYB	108, 177, 189
Decimal	7126394
CIELab	70.17, -39.14, 26.35
CIELCh	70, 47.181, 146.055
Yxy	40.9885, 0.2976, 0.4373
Android (android.graphics.Color)	4285316474 (0xFF6CBD7A)
YUV	157.1430, -17.3255, -43.0984
Hunter-Lab	64.0223, -34.2671, 21.8042

Details

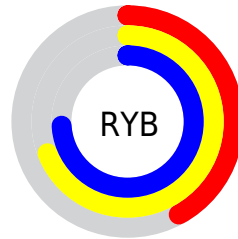
The Yxy color **40.9885, 0.2976, 0.4373** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.6417, 0.3334, 0.2410**, and the grayscale version is **33.8738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7932, 0.3016, 0.4150**, and **18.5527, 0.2900, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **39.5738, 0.2950, 0.4679**, and if you desaturate by 10%, it is **42.7258, 0.3008, 0.4080**.

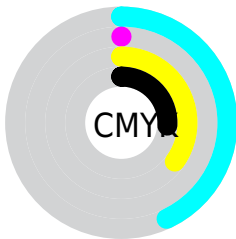
Distribution



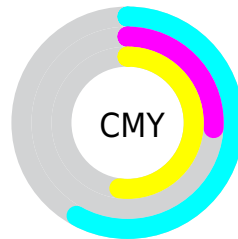
- Red (42%)
- Green (74%)
- Blue (48%)



- Red (42%)
- Yellow (69%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (35%)
- Black (26%)





- Cyan (58%)
- Magenta (26%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9885, 0.2976, 0.4373 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 40.9885, 0.2976, 0.4373 by changing the saturation by 10% instead.


 40.9885, 0.2976,
0.4373

 40.9885, 0.2976,
0.4373


350.2725, 0.3071,
0.3787

 28.3101, 0.2944,
0.4534


 76.6664, 0.3016,
0.4149


 18.5595, 0.2899,
0.4749


 100.4348, 0.3029,
0.4069

 11.3525, 0.2828,
0.5050


 128.6685, 0.3040,
0.4002

 6.3044, 0.2709,
0.5498

 161.7521, 0.3049,
0.3945

 3.0311, 0.2505,
0.6275

200.0699, 0.3056,
0.3897

 1.1480, 0.0906,
0.9094

244.0063, 0.3062,

 0.0186, 0.0000,

0.3856

1.0000

293.9457, 0.3067,
0.3819

■ 0.0000, 0.0000,
0.0000

■ 40.9885, 0.2976,
0.4373

■ 40.9885, 0.2976,
0.4373

■ 39.5738, 0.2950,
0.4679

■ 42.7258, 0.3008,
0.4080

■ 38.4570, 0.2932,
0.4986

■ 44.7988, 0.3043,
0.3809

■ 37.6177, 0.2924,
0.5276

■ 47.2257, 0.3080,
0.3565


■ 37.0308, 0.2929,
0.5531

■ 50.0222, 0.3117,
0.3347

■ 36.6667, 0.2944,
0.5735

■ 53.2028, 0.3152,
0.3156

 36.5047, 0.2957,
0.5845

 56.7815, 0.3186,
0.2990

 60.7714, 0.3218,
0.2846

 64.3781, 0.3216,
0.2715

 64.8770, 0.3157,
0.2644

Harmonies

Analogous

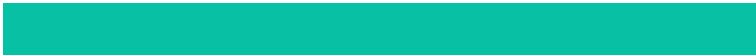
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.9885, 0.3641, 0.4550



40.9885, 0.2976, 0.4373



40.9885, 0.2387, 0.3771

Triad

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



40.9885, 0.2976, 0.4373



40.9885, 0.2098, 0.2267



40.9885, 0.4369, 0.3324

Complementary

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



40.9885, 0.2976, 0.4373



24.6417, 0.3334, 0.2410

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.



40.9885, 0.3861, 0.2840



40.9885, 0.2976, 0.4373



40.9885, 0.2525, 0.2257

Square

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



40.9885, 0.2976, 0.4373



40.9885, 0.1926, 0.2526



40.9885, 0.3161, 0.2463



40.9885, 0.4486, 0.3842

Rectangle

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



40.9885, 0.2976, 0.4373



40.9885, 0.2112, 0.3284



40.9885, 0.3161, 0.2463



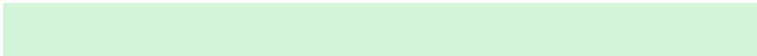
40.9885, 0.4237, 0.3155

Sweetspot

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



40.9902, 0.2976, 0.4373



84.4129, 0.3079, 0.3573



46.6522, 0.3633, 0.4380



17.9349, 0.3071, 0.3625



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.



40.9902, 0.2976, 0.4373



71.1115, 0.2952, 0.4647



42.1942, 0.2716, 0.3708



10.6758, 0.3093, 0.3485



24.5683, 0.2952, 0.5828



0.9708, 0.2839, 0.5419

Inverse Universe

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



24.6417, 0.3334, 0.2410



38.1393, 0.3389, 0.2242



23.2950, 0.3849, 0.2918



9.6672, 0.3163, 0.3102



8.9129, 0.3694, 0.1808



0.3567, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 40.9885, 0.2976, 0.4373 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 40.9885, 0.2976, 0.4373 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 40.9885, 0.2976, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 40.9885, 0.2976, 0.4373.



This preview shows how white text looks on a background with the Yxy color 40.9885, 0.2976, 0.4373.

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

40.9885, 0.2976, 0.4373

Protanopia

40.6550, 0.3759, 0.4064

Deuteranopia

40.5269, 0.3825, 0.3758



Tritanopia

40.8677, 0.2592, 0.3072

Trichromacy



Original Color

40.9885, 0.2976, 0.4373



Protanomaly

40.2932, 0.3434, 0.4189



Deuteranomaly

39.6090, 0.3471, 0.3968



Tritanomaly

40.5457, 0.2731, 0.3519

Monochromacy



Original Color

40.9885, 0.2976, 0.4373



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.8785, 0.3064, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9885, 0.2976, 0.4373 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(108, 189, 122)` looks like.

```
.text, #text, p{  
    color:rgb(108, 189, 122)  
}
```

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(108, 189, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 189, 122) }
```

Border

The CSS property to change the border of an element to Yxy 40.9885, 0.2976, 0.4373 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(108, 189, 122) }
```

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

```
.border{ border-color:rgb(108, 189, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 189, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 189, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 189, 122);  
box-shadow:4px 4px 4px 4px rgb(108, 189,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9885, 0.2976, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 189, 122) }
```

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

```
.background{ background-color: rgb(108,  
189, 122) }
```

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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