

Converting Colors

$Yxy(38.3124, 0.2976, 0.4208)$

Have a look what the booklet for
Yxy(38.3124, 0.2976, 0.4208)
contains.

Yxy(38.4070, 0.2976, 0.4207)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4070, 0.2976, 0.4207)

Conversions

Conversions Part 1

Format	Color
Hex	70B67E
RGB	112, 182, 126
RGB Percent	44%, 71%, 49%
CMY	0.5611, 0.2862, 0.5059
CMYK	0.39, 0.00, 0.31, 0.29
HSL	132°, 32%, 58%
HSV	132°, 39%, 71%
XYZ	27.1688, 38.4070, 25.7173
YIQ	154.6860, -23.7440, -32.2560

Conversions

Conversions Part 2

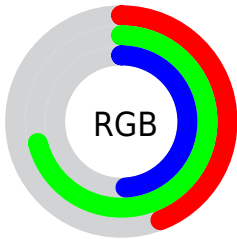
Format	Color
RYB	112, 170, 182
Decimal	7386750
CIELab	68.32, -34.08, 21.75
CIElCh	68, 40.428, 147.453
Yxy	38.4070, 0.2976, 0.4207
Android (android.graphics.Color)	4285576830 (0xFF70B67E)
YUV	154.6860, -14.1422, -37.4356
Hunter-Lab	61.9734, -30.1999, 18.7776

Details

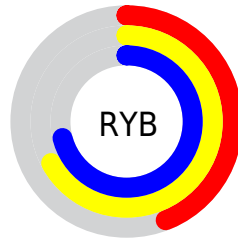
The Yxy color **38.4070, 0.2976, 0.4207** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.3453, 0.3330, 0.2522**, and the grayscale version is **32.6976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5107, 0.3012, 0.4012**, and **17.1661, 0.2900, 0.4528** is the 20% darker color. If you saturate the color by 10%, you get **36.9851, 0.2945, 0.4498**, and if you desaturate by 10%, it is **40.1280, 0.3013, 0.3934**.

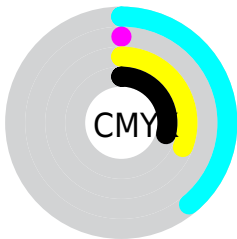
Distribution



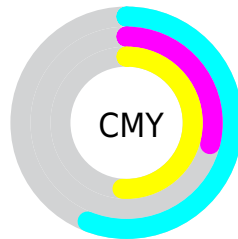
- Red (44%)
- Green (71%)
- Blue (49%)



- Red (44%)
- Yellow (67%)
- Blue (71%)



- Cyan (39%)
- Magenta (0%)
- Yellow (31%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4070, 0.2976, 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 38.4070, 0.2976, 0.4207 by changing the saturation by 10% instead.

 38.4070, 0.2976,
0.4207


 38.4070, 0.2976,
0.4207


339.3627, 0.3067,
0.3709


 26.2987, 0.2947,
0.4345

 72.7315, 0.3013,
0.4016

 17.0473, 0.2906,
0.4531


 95.7166, 0.3026,
0.3947

 10.2682, 0.2843,
0.4795


 123.0960, 0.3036,
0.3891

 5.5771, 0.2737,
0.5193

155.2542, 0.3045,
0.3843

 2.5897, 0.2551,
0.5886

192.5756, 0.3052,
0.3802

 0.9215, 0.0451,
0.9549


235.4445, 0.3058,


 0.0000, 0.0000,


0.3767


0.0000


284.2454, 0.3063,
0.3736


 38.4070, 0.2976,
0.4207


 38.4070, 0.2976,
0.4207


 36.9851, 0.2945,
0.4498


 40.1280, 0.3013,
0.3934


 35.8406, 0.2921,
0.4797


 42.1589, 0.3052,
0.3684


 34.9562, 0.2908,
0.5090


 44.5159, 0.3093,
0.3460

 34.3109, 0.2908,
0.5361

 47.2125, 0.3133,
0.3262

 33.8801, 0.2920,
0.5593

 50.2615, 0.3172,
0.3088

 33.6243, 0.2941,
0.5774

 53.6751, 0.3209,
0.2937

 33.5928, 0.2944,
0.5797

 57.4648, 0.3244,
0.2806

 61.1563, 0.3256,
0.2689

 61.9422, 0.3161,
0.2575

Harmonies

Analogous

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



38.4070, 0.3565, 0.4392



38.4070, 0.2976, 0.4207



38.4070, 0.2457, 0.3681

Triad

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



38.4070, 0.2976, 0.4207



38.4070, 0.2225, 0.2376



38.4070, 0.4227, 0.3353

Complementary

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



38.4070, 0.2976, 0.4207



24.3453, 0.3330, 0.2522

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.



38.4070, 0.3797, 0.2912



38.4070, 0.2976, 0.4207



38.4070, 0.2620, 0.2373

Square

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



38.4070, 0.2976, 0.4207



38.4070, 0.2058, 0.2606



38.4070, 0.3191, 0.2565



38.4070, 0.4319, 0.3817

Rectangle

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



38.4070, 0.2976, 0.4207



38.4070, 0.2216, 0.3264



38.4070, 0.3191, 0.2565



38.4070, 0.4116, 0.3200

Sweetspot

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



38.4086, 0.2976, 0.4207



79.0413, 0.3078, 0.3540



42.9552, 0.3563, 0.4275



17.3344, 0.3073, 0.3569



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.



38.4086, 0.2976, 0.4207



67.4496, 0.2950, 0.4447



39.4753, 0.2735, 0.3619



10.0888, 0.3089, 0.3478



23.7262, 0.2939, 0.5781



0.8452, 0.2807, 0.5304

Inverse Universe

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



24.3453, 0.3330, 0.2522



38.4043, 0.3387, 0.2365



23.2122, 0.3776, 0.2990



9.1310, 0.3167, 0.3109



8.4869, 0.3784, 0.1858



0.3071, 0.3610, 0.1762

Previews

White Background



This preview shows how the Yxy color 38.4070, 0.2976, 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 38.4070, 0.2976, 0.4207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

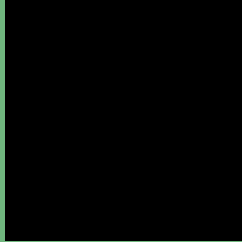
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4070, 0.2976, 0.4207

Background



This preview shows how black text looks on a background with the Yxy color 38.4070, 0.2976, 0.4207.



This preview shows how white text looks on a background with the Yxy color 38.4070, 0.2976, 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

38.4070, 0.2976, 0.4207

Protanopia

38.0693, 0.3667, 0.3952

Deuteranopia

37.9043, 0.3747, 0.3666



Tritanopia

38.2629, 0.2631, 0.3081

Trichromacy



Original Color

38.4070, 0.2976, 0.4207



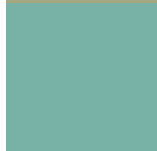
Protanomaly

37.7802, 0.3382, 0.4044



Deuteranomaly

37.1149, 0.3433, 0.3850



Tritanomaly

38.1540, 0.2756, 0.3475

Monochromacy



Original Color

38.4070, 0.2976, 0.4207



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.4129, 0.3066, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4070, 0.2976, 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(112, 182, 126)` looks like.

```
.text, #text, p{  
    color:rgb(112, 182, 126)  
}
```

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(112, 182, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 182, 126) }
```

Border

The CSS property to change the border of an element to Yxy 38.4070, 0.2976, 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(112, 182, 126) }
```

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

```
.border{ border-color:rgb(112, 182, 126) }
```

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

Here you see how a box with a 4 pixel rgb(112, 182, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 182, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 182, 126);  
box-shadow:4px 4px 4px 4px rgb(112, 182,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4070, 0.2976, 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(112, 182, 126) }
```

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

```
.background{ background-color: rgb(112,  
182, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor