

Converting Colors

$Yxy(38.4695, 0.2918, 0.4066)$

Have a look what the booklet for
Yxy(38.4695, 0.2918, 0.4066)
contains.

Yxy(38.6219, 0.2921, 0.4070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.6219, 0.2921, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	70B686
RGB	112, 182, 134
RGB Percent	44%, 71%, 53%
CMY	0.5606, 0.2863, 0.4744
CMYK	0.38, 0.00, 0.26, 0.29
HSL	139°, 32%, 58%
HSV	139°, 38%, 71%
XYZ	27.7186, 38.6219, 28.5536
YIQ	155.5980, -26.3120, -29.7680

Conversions

Conversions Part 2

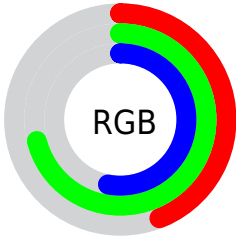
Format	Color
RYB	112, 165, 182
Decimal	7386758
CIELab	68.48, -32.55, 17.63
CIELCh	68, 37.018, 151.553
Yxy	38.6219, 0.2921, 0.4070
Android (android.graphics.Color)	4285576838 (0xFF70B686)
YUV	155.5980, -10.6478, -38.2354
Hunter-Lab	62.1465, -29.1419, 16.2614

Details

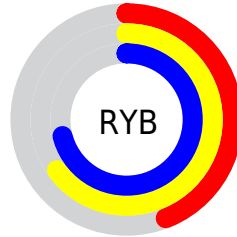
The Yxy color **38.6219, 0.2921, 0.4070** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **24.0829, 0.3425, 0.2624**, and the grayscale version is **33.1204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8439, 0.2967, 0.3911**, and **17.2704, 0.2838, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **37.2192, 0.2879, 0.4319**, and if you desaturate by 10%, it is **40.3103, 0.2970, 0.3837**.

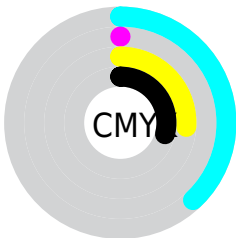
Distribution



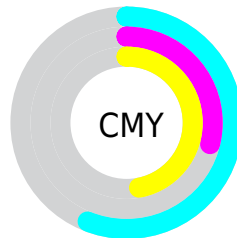
- Red (44%)
- Green (71%)
- Blue (53%)



- Red (44%)
- Yellow (65%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (26%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6219, 0.2921, 0.4070 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 38.6219, 0.2921, 0.4070 by changing the saturation by 10% instead.


 38.6219, 0.2921,
0.4070


 38.6219, 0.2921,
0.4070


340.2803, 0.3037,
0.3649


 26.4657, 0.2887,
0.4186


 73.0604, 0.2967,
0.3909

 17.1724, 0.2841,
0.4343


 96.1114, 0.2983,
0.3851

 10.3575, 0.2773,
0.4564


 123.5629, 0.2996,
0.3803

 5.6366, 0.2665,
0.4899

155.7992, 0.3007,
0.3762

 2.6254, 0.2472,
0.5460

193.2047, 0.3016,
0.3728

 0.9394, 0.0939,
0.9061

236.1637, 0.3024,

 0.0000, 0.0000,

0.3698

0.0000

285.0608, 0.3031,
0.3672

■ 38.6219, 0.2921,
0.4070

■ 38.6219, 0.2921,
0.4070

■ 37.2192, 0.2879,
0.4319

■ 40.3103, 0.2970,
0.3837

■ 36.0812, 0.2849,
0.4580

■ 42.2943, 0.3024,
0.3625

■ 35.1919, 0.2831,
0.4842


■ 44.5892, 0.3080,
0.3434


■ 34.5314, 0.2830,
0.5096

■ 47.2078, 0.3136,
0.3265


■ 34.0764, 0.2845,
0.5329

■ 50.1623, 0.3191,
0.3116

 33.7891, 0.2873,
0.5531

 53.4642, 0.3245,
0.2985

 33.7508, 0.2878,
0.5560

 57.1243, 0.3296,
0.2871

 60.6478, 0.3323,
0.2768

 61.3904, 0.3226,
0.2652

Harmonies

Analogous

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



38.6219, 0.3462, 0.4291



38.6219, 0.2921, 0.4070



38.6219, 0.2461, 0.3571

Triad

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



38.6219, 0.2921, 0.4070



38.6219, 0.2334, 0.2436



38.6219, 0.4163, 0.3414

Complementary

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



38.6219, 0.2921, 0.4070



24.0829, 0.3425, 0.2624

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.



38.6219, 0.3808, 0.2997



38.6219, 0.2921, 0.4070



38.6219, 0.2728, 0.2456

Square

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



38.6219, 0.2921, 0.4070



38.6219, 0.2148, 0.2623



38.6219, 0.3266, 0.2658



38.6219, 0.4204, 0.3838

Rectangle

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



38.6219, 0.2921, 0.4070



38.6219, 0.2255, 0.3196



38.6219, 0.3266, 0.2658



38.6219, 0.4076, 0.3270

Sweetspot

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



38.6235, 0.2921, 0.4070



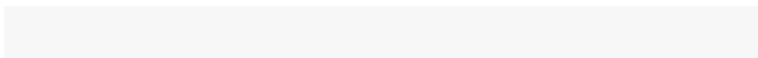
79.2083, 0.3058, 0.3504



42.2030, 0.3497, 0.4296



17.3746, 0.3051, 0.3528



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.



38.6235, 0.2921, 0.4070



67.8693, 0.2886, 0.4277



39.7292, 0.2690, 0.3506



10.1053, 0.3074, 0.3451



23.8467, 0.2872, 0.5539



0.8522, 0.2718, 0.4984

Inverse Universe

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



24.0829, 0.3425, 0.2624



37.7912, 0.3514, 0.2484



23.0512, 0.3869, 0.3090



9.1134, 0.3184, 0.3134



8.0783, 0.4184, 0.2078



0.2954, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 38.6219, 0.2921, 0.4070 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 38.6219, 0.2921, 0.4070 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 38.6219, 0.2921, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 38.6219, 0.2921, 0.4070.

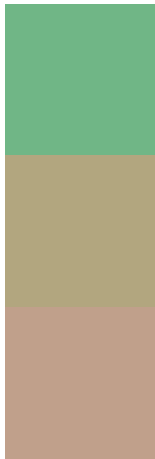


This preview shows how white text looks on a background with the Yxy color 38.6219, 0.2921, 0.4070.

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

38.6219, 0.2921, 0.4070

Protanopia

38.2697, 0.3594, 0.3839

Deuteranopia

38.2122, 0.3644, 0.3574



Tritanopia

38.6192, 0.2620, 0.3082

Trichromacy



Original Color

38.6219, 0.2921, 0.4070

Protanomaly

37.9868, 0.3315, 0.3922

Deuteranomaly

37.5979, 0.3350, 0.3746

Tritanomaly

38.6984, 0.2730, 0.3427

Monochromacy



Original Color

38.6219, 0.2921, 0.4070

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6238, 0.3041, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6219, 0.2921, 0.4070 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(112, 182, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 182, 134) }
```

Border

The CSS property to change the border of an element to Yxy 38.6219, 0.2921, 0.4070 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, 134) }
```

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

```
.border{ border-color:rgb(112, 182, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 182, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 182, 134);  
box-shadow:4px 4px 4px 4px rgb(112, 182,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6219, 0.2921, 0.4070 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, 134) }
```

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

```
.background{ background-color: rgb(112,  
182, 134) }
```

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