

# Converting Colors

$Yxy(42.1411, 0.2911, 0.3967)$

Have a look what the booklet for  
Yxy(42.1411, 0.2911, 0.3967)  
contains.

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# Color

**Yxy(42.0038, 0.2906, 0.3958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78BC91
RGB	120, 188, 145
RGB Percent	47%, 74%, 57%
CMY	0.5295, 0.2627, 0.4313
CMYK	0.36, 0.00, 0.23, 0.26
HSL	142°, 34%, 60%
HSV	142°, 36%, 74%
XYZ	30.8396, 42.0038, 33.2804
YIQ	162.7660, -26.7250, -27.7890

# Conversions

## Conversions Part 2

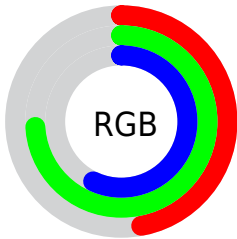
Format	Color
<a href="#">RYB</a>	<a href="#">120, 170, 188</a>
Decimal	<a href="#">7912593</a>
CIELab	<a href="#">70.87, -30.88, 15.06</a>
CIELCh	<a href="#">71, 34.353, 153.999</a>
Yxy	<a href="#">42.0038, 0.2906, 0.3958</a>
Android (android.graphics.Color)	<a href="#">4286102673 (0xFF78BC91)</a>
YUV	<a href="#">162.7660, -8.7586, -37.5058</a>
Hunter-Lab	<a href="#">64.8103, -28.4800, 14.9215</a>

# Details

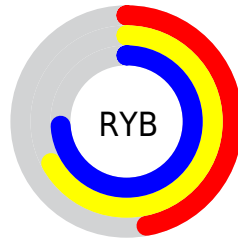
The Yxy color **42.0038, 0.2906, 0.3958** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.7642, 0.3447, 0.2708**, and the grayscale version is **36.5613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4270, 0.2950, 0.3829**, and **19.0873, 0.2835, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **40.4433, 0.2857, 0.4184**, and if you desaturate by 10%, it is **43.8700, 0.2963, 0.3748**.

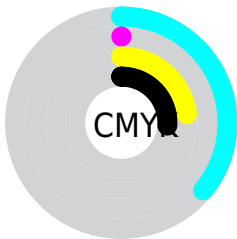
# Distribution



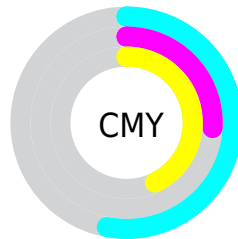
- Red (47%)
- Green (74%)
- Blue (57%)



- Red (47%)
- Yellow (67%)
- Blue (74%)



- Cyan (36%)
- Magenta (0%)
- Yellow (23%)
- Black (26%)




- Cyan (53%)
- Magenta (26%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0038, 0.2906, 0.3958 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 42.0038, 0.2906, 0.3958 by changing the saturation by 10% instead.





 42.0038, 0.2906,  
0.3958


 42.0038, 0.2906,  
0.3958

354.4987, 0.3026,  
0.3604


 29.1043, 0.2873,  
0.4053


 78.2054, 0.2952,  
0.3824

 19.1597, 0.2828,  
0.4180


 102.2762, 0.2968,  
0.3775

 11.7857, 0.2766,  
0.4357


 130.8396, 0.2982,  
0.3735

 6.5980, 0.2670,  
0.4620

164.2799, 0.2993,  
0.3701

 3.2120, 0.2510,  
0.5048

202.9816, 0.3003,  
0.3671

 1.2434, 0.2064,  
0.6573

247.3290, 0.3012,

 0.0967, 0.0000,

0.3646

1.0000

297.7066, 0.3019,  
0.3623

0.0000, 0.0000,  
0.0000

42.0038, 0.2906,  
0.3958

42.0038, 0.2906,  
0.3958

40.4433, 0.2857,  
0.4184

43.8700, 0.2963,  
0.3748

39.1666, 0.2819,  
0.4423

46.0520, 0.3024,  
0.3557

38.1570, 0.2796,  
0.4668


48.5660, 0.3088,  
0.3386

37.3940, 0.2788,  
0.4910


51.4252, 0.3152,  
0.3234


36.8538, 0.2799,  
0.5139


54.6424, 0.3215,  
0.3100


 36.5059, 0.2827,  
0.5347

 58.2297, 0.3276,  
0.2983

 36.4008, 0.2839,  
0.5421

 62.1983, 0.3335,  
0.2880

 63.5231, 0.3269,  
0.2771

 64.2527, 0.3180,  
0.2661

# Harmonies

## Analogous

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



42.0038, 0.3396, 0.4184



42.0038, 0.2906, 0.3958



42.0038, 0.2497, 0.3503

# Triad

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



42.0038, 0.2906, 0.3958



42.0038, 0.2429, 0.2507



42.0038, 0.4076, 0.3442

# Complementary

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



42.0038, 0.2906, 0.3958



26.7642, 0.3447, 0.2708

# 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.



42.0038, 0.3776, 0.3055



42.0038, 0.2906, 0.3958



42.0038, 0.2803, 0.2538

# Square

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



42.0038, 0.2906, 0.3958



42.0038, 0.2240, 0.2666



42.0038, 0.3297, 0.2735



42.0038, 0.4092, 0.3825



# Rectangle

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



42.0038, 0.2906, 0.3958



42.0038, 0.2318, 0.3171



42.0038, 0.3297, 0.2735



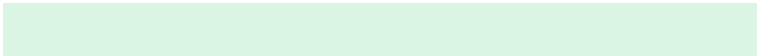
42.0038, 0.4004, 0.3309

# Sweetspot

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



42.0055, 0.2906, 0.3958



85.6591, 0.3056, 0.3469



45.1174, 0.3437, 0.4250



18.2892, 0.3047, 0.3493



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.



42.0055, 0.2906, 0.3958



73.9451, 0.2868, 0.4127



43.2124, 0.2682, 0.3423



10.7062, 0.3067, 0.3438



24.7954, 0.2833, 0.5397



0.9840, 0.2692, 0.4891



# Inverse Universe

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



26.7642, 0.3447, 0.2708



42.4558, 0.3538, 0.2588



25.7076, 0.3869, 0.3165



9.6351, 0.3192, 0.3146



8.1973, 0.4394, 0.2194



0.3333, 0.4041, 0.2000



# Previews

## White Background



This preview shows how the Yxy color 42.0038, 0.2906, 0.3958 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 42.0038, 0.2906, 0.3958 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 42.0038, 0.2906, 0.3958**

## Background



This preview shows how black text looks on a background with the Yxy color 42.0038, 0.2906, 0.3958.



This preview shows how white text looks on a background with the Yxy color 42.0038, 0.2906, 0.3958.

# 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

42.0038, 0.2906, 0.3958

### Protanopia

41.4073, 0.3525, 0.3755

### Deuteranopia

41.4802, 0.3580, 0.3499



## Tritanopia

41.8586, 0.2634, 0.3075

# Trichromacy



## Original Color

42.0038, 0.2906, 0.3958

## Protanomaly

41.2375, 0.3269, 0.3827

## Deuteranomaly

40.9563, 0.3309, 0.3657

## Tritanomaly

41.9673, 0.2735, 0.3392

# Monochromacy



## Original Color

42.0038, 0.2906, 0.3958

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

38.1084, 0.3036, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0038, 0.2906, 0.3958 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(120, 188, 145)` looks like.

```
.text, #text, p{  
    color:rgb(120, 188, 145)  
}
```

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(120, 188, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 188, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0038, 0.2906, 0.3958 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(120, 188, 145) }
```

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

```
.border{ border-color:rgb(120, 188, 145) }
```

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

Here you see how a box with a 4 pixel rgb(120, 188, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 188, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 188, 145);  
box-shadow:4px 4px 4px 4px rgb(120, 188,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0038, 0.2906, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 188, 145) }
```

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

```
.background{ background-color: rgb(120,  
188, 145) }
```

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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