

# Converting Colors

$Yxy(42.1488, 0.3304, 0.3953)$

Have a look what the booklet for  
Yxy(42.1488, 0.3304, 0.3953)  
contains.

<b>Yxy(42.1679, 0.3303, 0.3957)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(42.1679, 0.3303, 0.3957)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9FB587
RGB	159, 181, 135
RGB Percent	62%, 71%, 53%
CMY	0.3763, 0.2902, 0.4707
CMYK	0.12, 0.00, 0.25, 0.29
HSL	89°, 24%, 62%
HSV	89°, 25%, 71%
XYZ	35.1985, 42.1679, 29.1989
YIQ	169.1780, 1.6540, -18.9700

# Conversions

## Conversions Part 2

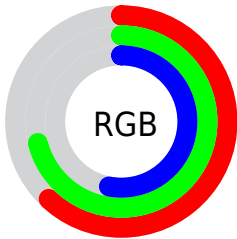
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 181, 157
Decimal	10466695
CIELab	70.99, -15.88, 21.00
CIELCh	71, 26.333, 127.097
Yxy	42.1679, 0.3303, 0.3957
Android (android.graphics.Color)	4288656775 (0xFF9FB587)
YUV	169.1780, -16.8498, -8.9261
Hunter-Lab	64.9368, -16.8848, 18.7960

# Details

The Yxy color **42.1679, 0.3303, 0.3957** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.8224, 0.2910, 0.2620**, and the grayscale version is **39.8558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4954, 0.3276, 0.3833**, and **19.2200, 0.3343, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **40.8496, 0.3366, 0.4246**, and if you desaturate by 10%, it is **43.6383, 0.3235, 0.3680**.

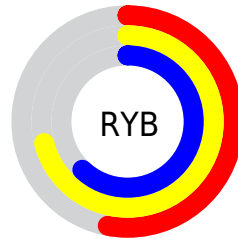
# Distribution



Red (62%)

Green (71%)

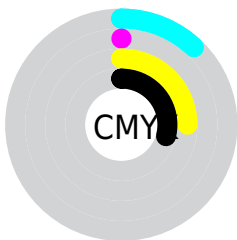
Blue (53%)



Red (53%)

Yellow (71%)

Blue (62%)

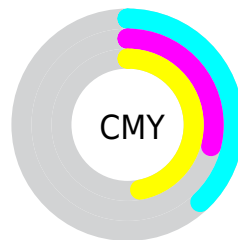


Cyan (12%)

Magenta (0%)

Yellow (25%)

Black (29%)



Cyan (38%)

Magenta (29%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1679, 0.3303, 0.3957 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 42.1679, 0.3303, 0.3957 by changing the saturation by 10% instead.





 42.1679, 0.3303,  
0.3957


 42.1679, 0.3303,  
0.3957


355.1785, 0.3220,  
0.3608


 29.2328, 0.3322,  
0.4049


 78.4537, 0.3274,  
0.3827

 19.2570, 0.3344,  
0.4170


 102.5731, 0.3263,  
0.3779

 11.8561, 0.3371,  
0.4335


 131.1895, 0.3253,  
0.3739

 6.6458, 0.3402,  
0.4574

164.6871, 0.3245,  
0.3705

 3.2416, 0.3431,  
0.4945

203.4504, 0.3237,  
0.3676

 1.2591, 0.3790,  
0.6210

247.8638, 0.3231,

 0.1092, 0.0000,

0.3650

1.0000

298.3117, 0.3225,  
0.3628

0.0000, 0.0000,  
0.0000

42.1679, 0.3303,  
0.3957

42.1679, 0.3303,  
0.3957

40.8496, 0.3366,  
0.4246

43.6383, 0.3235,  
0.3680

39.6722, 0.3419,  
0.4540

45.2606, 0.3165,  
0.3422

38.6316, 0.3459,  
0.4827


47.0417, 0.3095,  
0.3184


37.7212, 0.3482,  
0.5092


48.9862, 0.3028,  
0.2968


36.9336, 0.3483,  
0.5323


51.0987, 0.2963,  
0.2773

 36.2606, 0.3462,  
0.5506

 53.3835, 0.2902,  
0.2599

 35.6922, 0.3420,  
0.5635

 55.4070, 0.2890,  
0.2504

 35.4579, 0.3398,  
0.5684

 56.7864, 0.2955,  
0.2519

 58.2364, 0.3021,  
0.2534

# Harmonies

## Analogous

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



42.1679, 0.3647, 0.3939



42.1679, 0.3303, 0.3957



42.1679, 0.2926, 0.3762

# Triad

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



42.1679, 0.3303, 0.3957



42.1679, 0.2442, 0.2792



42.1679, 0.3655, 0.3142

# Complementary

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



42.1679, 0.3303, 0.3957



27.8224, 0.2910, 0.2620

# 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.



42.1679, 0.3301, 0.2878



42.1679, 0.3303, 0.3957



42.1679, 0.2609, 0.2675

# Square

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



42.1679, 0.3303, 0.3957



42.1679, 0.2443, 0.3056



42.1679, 0.2917, 0.2710



42.1679, 0.3863, 0.3451



# Rectangle

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



42.1679, 0.3303, 0.3957



42.1679, 0.2706, 0.3541



42.1679, 0.2917, 0.2710



42.1679, 0.3548, 0.3046

# Sweetspot

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



42.1697, 0.3303, 0.3957



80.2477, 0.3184, 0.3490



35.5028, 0.3582, 0.3593



17.2494, 0.3195, 0.3528



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1697, 0.3303, 0.3957



74.0551, 0.3342, 0.4132



40.0733, 0.3107, 0.3999



9.7012, 0.3192, 0.3520



24.4862, 0.3407, 0.5677



0.8049, 0.3621, 0.5507



# Inverse Universe

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



27.8224, 0.2910, 0.2620



43.5867, 0.2845, 0.2444



30.2984, 0.3140, 0.2665



8.4225, 0.3057, 0.3060



3.7180, 0.1994, 0.0872



0.1518, 0.2316, 0.1049



# Previews

## White Background



This preview shows how the Yxy color 42.1679, 0.3303, 0.3957 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 42.1679, 0.3303, 0.3957 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 42.1679, 0.3303, 0.3957**

## Background



This preview shows how black text looks on a background with the Yxy color 42.1679, 0.3303, 0.3957.



This preview shows how white text looks on a background with the Yxy color 42.1679, 0.3303, 0.3957.

# 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

42.1679, 0.3303, 0.3957

### Protanopia

41.9649, 0.3613, 0.3859

### Deuteranopia

42.0290, 0.3728, 0.3664



## Tritanopia

42.1184, 0.2955, 0.3100

# Trichromacy



## Original Color

42.1679, 0.3303, 0.3957

## Protanomaly

41.9467, 0.3498, 0.3903

## Deuteranomaly

41.7503, 0.3563, 0.3764

## Tritanomaly

42.2014, 0.3079, 0.3402

# Monochromacy



## Original Color

42.1679, 0.3303, 0.3957

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.3208, 0.3188, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1679, 0.3303, 0.3957 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(159, 181, 135)` looks like.

```
.text, #text, p{  
    color:rgb(159, 181, 135)  
}
```

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(159, 181, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 181, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1679, 0.3303, 0.3957 is called "border". The border property can be set on classes, ids or directly on the HTML element.

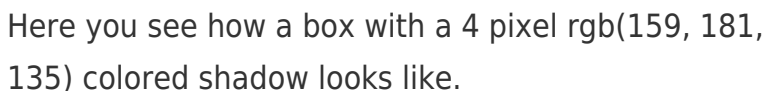
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 181, 135) }
```

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

```
.border{ border-color:rgb(159, 181, 135) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 181, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 181, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 181, 135); box-shadow:4px 4px 4px 4px rgb(159, 181, 135) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1679, 0.3303, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 181, 135) }
```

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

```
.background{ background-color: rgb(159,  
181, 135) }
```

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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