

# Converting Colors

$Yxy(47.3347, 0.3410, 0.4587)$

Have a look what the booklet for  
Yxy(47.3347, 0.3410, 0.4587)  
contains.

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# Color

**Yxy(47.5317, 0.3409, 0.4593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97C569
RGB	151, 197, 105
RGB Percent	59%, 77%, 41%
CMY	0.4078, 0.2274, 0.5883
CMYK	0.23, 0.00, 0.47, 0.23
HSL	90°, 44%, 59%
HSV	90°, 47%, 77%
XYZ	35.2788, 47.5317, 20.6768
YIQ	172.7580, 2.1160, -38.3640

# Conversions

## Conversions Part 2

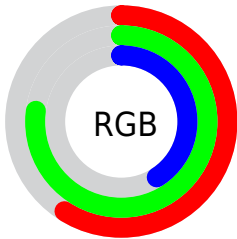
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">105, 197, 151</a>
Decimal	<a href="#">9946473</a>
CIELab	<a href="#">74.53, -30.88, 41.13</a>
CIELCh	<a href="#">75, 51.428, 126.900</a>
Yxy	<a href="#">47.5317, 0.3409, 0.4593</a>
Android (android.graphics.Color)	<a href="#">4288136553 (0xFF97C569)</a>
YUV	<a href="#">172.7580, -33.4047, -19.0818</a>
Hunter-Lab	<a href="#">68.9432, -29.3108, 30.4786</a>

# Details

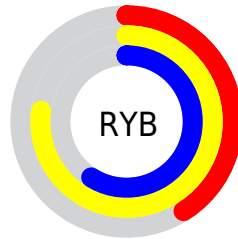
The Yxy color **47.5317, 0.3409, 0.4593** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.7111, 0.2683, 0.1992**, and the grayscale version is **41.8330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6176, 0.3376, 0.4342**, and **22.5174, 0.3439, 0.4981** is the 20% darker color. If you saturate the color by 10%, you get **46.2712, 0.3443, 0.4883**, and if you desaturate by 10%, it is **48.9689, 0.3361, 0.4295**.

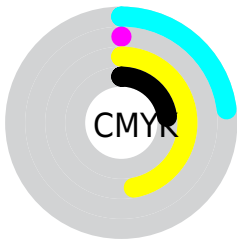
# Distribution



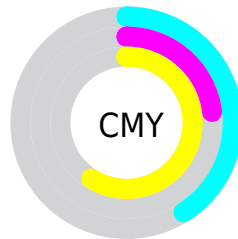
- Red (59%)
- Green (77%)
- Blue (41%)



- Red (41%)
- Yellow (77%)
- Blue (59%)



- Cyan (23%)
- Magenta (0%)
- Yellow (47%)
- Black (23%)




- Cyan (41%)
- Magenta (23%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5317, 0.3409, 0.4593 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 47.5317, 0.3409, 0.4593 by changing the saturation by 10% instead.




 47.5317, 0.3409,  
0.4593


 47.5317, 0.3409,  
0.4593

376.9329, 0.3296,  
0.3916

 33.4562, 0.3425,  
0.4766


 86.5067, 0.3376,  
0.4343

 22.4761, 0.3438,  
0.4988


 112.1751, 0.3361,  
0.4250

 14.2072, 0.3440,  
0.5281


 142.4764, 0.3348,  
0.4172

 8.2649, 0.3412,  
0.5679

 177.7952, 0.3336,  
0.4106

 4.2649, 0.3423,  
0.6454

218.5159, 0.3324,  
0.4049

 1.8228, 0.2983,  
0.7017

265.0228, 0.3314,

 0.5013, 0.0000,

0.3999

1.0000

317.7003, 0.3305,  
0.3955

0.0000, 0.0000,  
0.0000

47.5317, 0.3409,  
0.4593

47.5317, 0.3409,  
0.4593

46.2712, 0.3443,  
0.4883

48.9689, 0.3361,  
0.4295

45.1727, 0.3459,  
0.5149

50.5844, 0.3303,  
0.4000

44.2289, 0.3454,  
0.5377


52.3874, 0.3239,  
0.3718

43.4289, 0.3427,  
0.5555

54.3849, 0.3172,  
0.3455

42.7594, 0.3380,  
0.5678

56.5831, 0.3105,  
0.3213

 42.5598, 0.3363,  
0.5712

 58.9882, 0.3040,  
0.2993

 61.6059, 0.2978,  
0.2795

 63.9430, 0.2969,  
0.2689

 65.6169, 0.3040,  
0.2702

# Harmonies

## Analogous

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



47.5317, 0.4049, 0.4469



47.5317, 0.3409, 0.4593



47.5317, 0.2729, 0.4230

# Triad

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



47.5317, 0.3409, 0.4593



47.5317, 0.1921, 0.2370



47.5317, 0.4116, 0.2995

# Complementary

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



47.5317, 0.3409, 0.4593



20.7111, 0.2683, 0.1992

# 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.



47.5317, 0.3428, 0.2559



47.5317, 0.3409, 0.4593



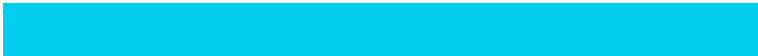
47.5317, 0.2194, 0.2202

# Square

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



47.5317, 0.3409, 0.4593



47.5317, 0.1916, 0.2815



47.5317, 0.2720, 0.2278



47.5317, 0.4511, 0.3514

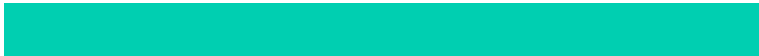


# Rectangle

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



47.5317, 0.3409, 0.4593



47.5317, 0.2345, 0.3768



47.5317, 0.2720, 0.2278



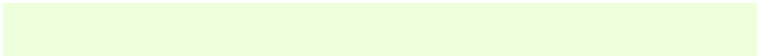
47.5317, 0.3907, 0.2837

# Sweetspot

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



47.5338, 0.3409, 0.4593



94.6812, 0.3222, 0.3651



34.5326, 0.4088, 0.3878



20.1039, 0.3237, 0.3710



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



47.5338, 0.3409, 0.4593



82.8368, 0.3444, 0.4887



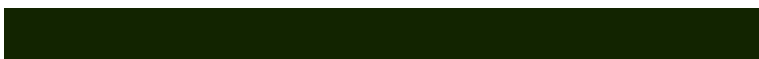
44.0504, 0.3069, 0.4740



12.1440, 0.3190, 0.3524



28.0420, 0.3372, 0.5704



1.3709, 0.3533, 0.5577



# Inverse Universe

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



20.7111, 0.2683, 0.1992



28.9920, 0.2554, 0.1701



25.7976, 0.3163, 0.2161



10.5435, 0.3060, 0.3057



4.4269, 0.2032, 0.0893



0.2527, 0.2262, 0.1020



# Previews

## White Background



This preview shows how the Yxy color 47.5317, 0.3409, 0.4593 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

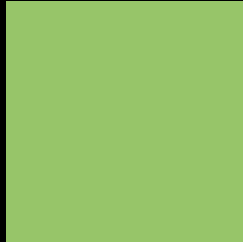
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.5317, 0.3409, 0.4593 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

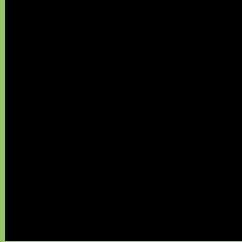
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.5317, 0.3409, 0.4593**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.5317, 0.3409, 0.4593.

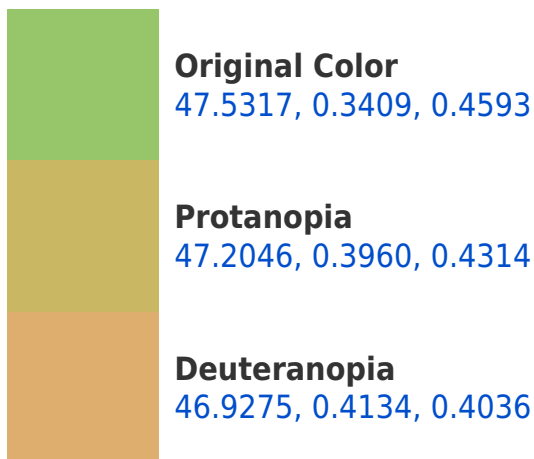


This preview shows how white text looks on a background with the Yxy color 47.5317, 0.3409, 0.4593.

# 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





## Tritanopia

47.3342, 0.2850, 0.3093

# Trichromacy



**Original Color**

47.5317, 0.3409, 0.4593

**Protanomaly**

46.9930, 0.3750, 0.4415

**Deuteranomaly**

46.2744, 0.3858, 0.4231

**Tritanomaly**

47.0537, 0.3063, 0.3622

# Monochromacy



**Original Color**

47.5317, 0.3409, 0.4593

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

43.5933, 0.3251, 0.3770

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  47.5317, 0.3409, 0.4593 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(151, 197, 105)` looks like.

```
.text, #text, p{  
    color:rgb(151, 197, 105)  
}
```

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(151, 197, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 197, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5317, 0.3409, 0.4593 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(151, 197, 105) }
```

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

```
.border{ border-color:rgb(151, 197, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 197, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 197, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 197, 105);  
box-shadow:4px 4px 4px 4px rgb(151, 197,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5317, 0.3409, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 197, 105) }
```

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

```
.background{ background-color: rgb(151,  
197, 105) }
```

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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