

# Converting Colors

$Yxy(46.4333, 0.3273, 0.4302)$

Have a look what the booklet for  
Yxy(46.4333, 0.3273, 0.4302)  
contains.

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# Color

**Yxy(46.4284, 0.3273, 0.4302)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95C27C
RGB	149, 194, 124
RGB Percent	58%, 76%, 49%
CMY	0.4157, 0.2392, 0.5137
CMYK	0.23, 0.00, 0.36, 0.24
HSL	99°, 36%, 62%
HSV	99°, 36%, 76%
XYZ	35.3231, 46.4284, 26.1713
YIQ	172.5650, -4.3500, -31.3100

# Conversions

## Conversions Part 2

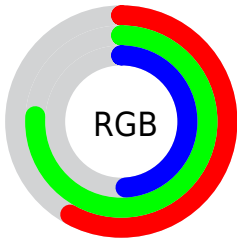
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 194, 169
Decimal	9814652
CIELab	73.82, -27.68, 30.51
CIELCh	74, 41.202, 132.216
Yxy	46.4284, 0.3273, 0.4302
Android (android.graphics.Color)	4288004732 (0xFF95C27C)
YUV	172.5650, -23.9425, -20.6665
Hunter-Lab	68.1384, -26.7073, 24.9242

# Details

The Yxy color **46.4284, 0.3273, 0.4302** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.7512, 0.2909, 0.2336**, and the grayscale version is **41.6821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0061, 0.3256, 0.4111**, and **21.7920, 0.3293, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **44.8755, 0.3299, 0.4618**, and if you desaturate by 10%, it is **48.2076, 0.3238, 0.3995**.

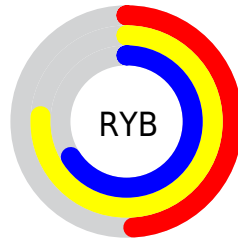
# Distribution



Red (58%)

Green (76%)

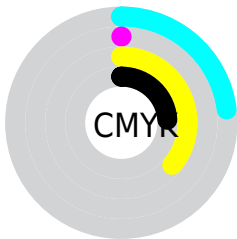
Blue (49%)



Red (49%)

Yellow (76%)

Blue (66%)

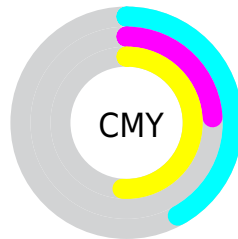


Cyan (23%)

Magenta (0%)

Yellow (36%)

Black (24%)



Cyan (42%)

Magenta (24%)

Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4284, 0.3273, 0.4302 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 46.4284, 0.3273, 0.4302 by changing the saturation by 10% instead.





 46.4284, 0.3273,  
0.4302


 46.4284, 0.3273,  
0.4302


372.5283, 0.3216,  
0.3773

 32.5840, 0.3281,  
0.4440


 84.8598, 0.3256,  
0.4105

 21.8080, 0.3287,  
0.4620


 110.2155, 0.3249,  
0.4033

 13.7159, 0.3288,  
0.4863

 140.1772, 0.3242,  
0.3972

 7.9233, 0.3272,  
0.5208

175.1292, 0.3236,  
0.3920

 4.0459, 0.3217,  
0.5737

215.4560, 0.3230,  
0.3876

 1.6993, 0.3142,  
0.6858

261.5418, 0.3225,

 0.4232, 0.0000,

0.3837

1.0000

313.7711, 0.3220,  
0.3803

0.0000, 0.0000,  
0.0000

46.4284, 0.3273,  
0.4302

46.4284, 0.3273,  
0.4302

44.8755, 0.3299,  
0.4618

48.2076, 0.3238,  
0.3995

43.5332, 0.3314,  
0.4931

50.2162, 0.3197,  
0.3706

42.3932, 0.3313,  
0.5222


52.4645, 0.3154,  
0.3439

41.4440, 0.3296,  
0.5474


54.9605, 0.3110,  
0.3199


40.6727, 0.3261,  
0.5672


57.7120, 0.3066,  
0.2983

 40.0639, 0.3212,  
0.5805

 60.7261, 0.3024,  
0.2792

 39.8601, 0.3193,  
0.5847

 63.6959, 0.3016,  
0.2667

 65.9108, 0.3109,  
0.2684

 67.0664, 0.3155,  
0.2693

# Harmonies

## Analogous

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



46.4284, 0.3812, 0.4294



46.4284, 0.3273, 0.4302



46.4284, 0.2722, 0.3946

# Triad

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



46.4284, 0.3273, 0.4302



46.4284, 0.2150, 0.2497



46.4284, 0.4004, 0.3131

# Complementary

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



46.4284, 0.3273, 0.4302



26.7512, 0.2909, 0.2336

# 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.



46.4284, 0.3482, 0.2743



46.4284, 0.3273, 0.4302



46.4284, 0.2423, 0.2384

# Square

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



46.4284, 0.3273, 0.4302



46.4284, 0.2107, 0.2836



46.4284, 0.2897, 0.2477



46.4284, 0.4268, 0.3576



# Rectangle

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



46.4284, 0.3273, 0.4302



46.4284, 0.2422, 0.3570



46.4284, 0.2897, 0.2477



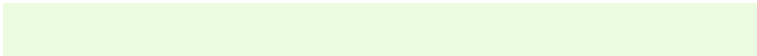
46.4284, 0.3850, 0.2992

# Sweetspot

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



46.4304, 0.3273, 0.4302



92.9151, 0.3176, 0.3572



41.0570, 0.3773, 0.3877



20.2251, 0.3182, 0.3609



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

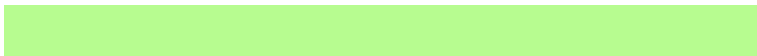


# Same Dimension

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



46.4304, 0.3273, 0.4302



81.9368, 0.3294, 0.4542



44.5752, 0.3015, 0.4218



11.4298, 0.3168, 0.3524



26.2471, 0.3202, 0.5840



1.1730, 0.3385, 0.5694



# Inverse Universe

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



26.7512, 0.2909, 0.2336



41.2248, 0.2848, 0.2125



29.3770, 0.3265, 0.2512



10.0619, 0.3082, 0.3059



5.4634, 0.2338, 0.1061



0.2736, 0.2535, 0.1170



# Previews

## White Background



This preview shows how the Yxy color 46.4284, 0.3273, 0.4302 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 46.4284, 0.3273, 0.4302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

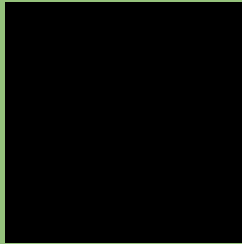
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4284, 0.3273, 0.4302**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4284, 0.3273, 0.4302.



This preview shows how white text looks on a background with the Yxy color 46.4284, 0.3273, 0.4302.

# 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

46.4284, 0.3273, 0.4302

### Protanopia

46.1154, 0.3777, 0.4087

### Deuteranopia

45.9192, 0.3911, 0.3826



## Tritanopia

46.3985, 0.2833, 0.3103

# Trichromacy



**Original Color**

46.4284, 0.3273, 0.4302

**Protanomaly**

46.0820, 0.3581, 0.4167

**Deuteranomaly**

45.6564, 0.3664, 0.3999

**Tritanomaly**

46.1131, 0.2996, 0.3512

# Monochromacy



**Original Color**

46.4284, 0.3273, 0.4302

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

43.3068, 0.3187, 0.3657

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4284, 0.3273, 0.4302 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(149, 194, 124)` looks like.

```
.text, #text, p{  
    color:rgb(149, 194, 124)  
}
```

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(149, 194, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 194, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4284, 0.3273, 0.4302 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(149, 194, 124) }
```

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

```
.border{ border-color:rgb(149, 194, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 194, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 194, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 194, 124);  
box-shadow:4px 4px 4px 4px rgb(149, 194,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4284, 0.3273, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 194, 124) }
```

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

```
.background{ background-color: rgb(149,  
194, 124) }
```

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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