

# Converting Colors

$Y_{xy}(46.3189, 0.3106, 0.3749)$

Have a look what the booklet for  
Yxy(46.3189, 0.3106, 0.3749)  
contains.

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# Color

**Yxy(46.4293, 0.3105, 0.3754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DBE9D
RGB	157, 190, 157
RGB Percent	62%, 75%, 62%
CMY	0.3844, 0.2549, 0.3842
CMYK	0.17, 0.00, 0.17, 0.25
HSL	120°, 20%, 68%
HSV	120°, 17%, 75%
XYZ	38.4025, 46.4293, 38.8477
YIQ	176.3710, -9.0750, -17.2590

# Conversions

## Conversions Part 2

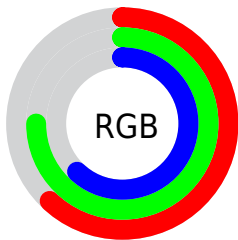
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 190, 190
Decimal	10337949
CIELab	73.82, -17.53, 13.02
CIELCh	74, 21.835, 143.406
Yxy	46.4293, 0.3105, 0.3754
Android (android.graphics.Color)	4288528029 (0xFF9DBE9D)
YUV	176.3710, -9.5499, -16.9884
Hunter-Lab	68.1390, -18.6425, 13.8947

# Details

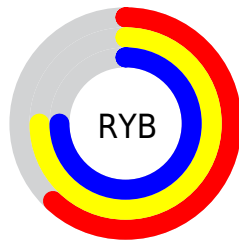
The Yxy color **46.4293, 0.3105, 0.3754** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.7709, 0.3148, 0.2866**, and the grayscale version is **43.6741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6620, 0.3110, 0.3657**, and **21.9352, 0.3088, 0.3899** is the 20% darker color. If you saturate the color by 10%, you get **44.0680, 0.3090, 0.4067**, and if you desaturate by 10%, it is **49.1924, 0.3118, 0.3474**.

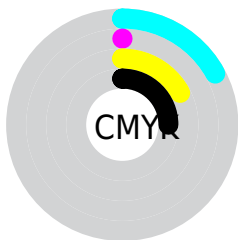
# Distribution



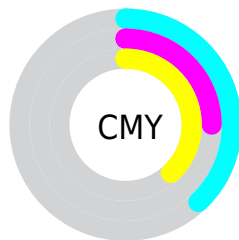
- Red (62%)
- Green (75%)
- Blue (62%)



- Red (62%)
- Yellow (75%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (25%)




- Cyan (38%)
- Magenta (25%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4293, 0.3105, 0.3754 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 46.4293, 0.3105, 0.3754 by changing the saturation by 10% instead.





 46.4293, 0.3105,  
0.3754


 46.4293, 0.3105,  
0.3754


372.5319, 0.3119,  
0.3515

 32.5847, 0.3100,  
0.3816


 84.8611, 0.3111,  
0.3666

 21.8085, 0.3093,  
0.3897


 110.2171, 0.3113,  
0.3633

 13.7163, 0.3083,  
0.4007


140.1791, 0.3115,  
0.3605

 7.9236, 0.3066,  
0.4164

175.1314, 0.3116,  
0.3582

 4.0461, 0.3034,  
0.4410

215.4585, 0.3117,  
0.3562

 1.6994, 0.2976,  
0.4861

261.5446, 0.3118,

 0.4233, 0.0000,

0.3544

1.0000

313.7743, 0.3119,  
0.3529

0.0000, 0.0000,  
0.0000

46.4293, 0.3105,  
0.3754

46.4293, 0.3105,  
0.3754

44.0680, 0.3090,  
0.4067

49.1924, 0.3118,  
0.3474

42.0843, 0.3074,  
0.4407

52.3684, 0.3130,  
0.3229

40.4602, 0.3057,  
0.4762

55.9756, 0.3140,  
0.3017

39.1744, 0.3041,  
0.5113

60.0292, 0.3149,  
0.2834

38.2029, 0.3026,  
0.5433

64.5436, 0.3157,  
0.2677

■ 37.5189, 0.3014,  
0.5696

■ 65.3100, 0.3157,  
0.2653

■ 37.0907, 0.3005,  
0.5879

■ 36.8736, 0.3001,  
0.5979

■ 36.8306, 0.3000,  
0.5999

# Harmonies

## Analogous

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



46.4293, 0.3407, 0.3837



46.4293, 0.3105, 0.3754



46.4293, 0.2819, 0.3526

# Triad

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



46.4293, 0.3105, 0.3754



46.4293, 0.2629, 0.2820



46.4293, 0.3660, 0.3309

# Complementary

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



46.4293, 0.3105, 0.3754



38.7709, 0.3148, 0.2866

# 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.



46.4293, 0.3432, 0.3066



46.4293, 0.3105, 0.3754



46.4293, 0.2834, 0.2790

# Square

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



46.4293, 0.3105, 0.3754



46.4293, 0.2553, 0.2976



46.4293, 0.3126, 0.2880



46.4293, 0.3737, 0.3560



# Rectangle

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



46.4293, 0.3105, 0.3754



46.4293, 0.2673, 0.3332



46.4293, 0.3126, 0.2880



46.4293, 0.3597, 0.3225

# Sweetspot

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



46.4313, 0.3105, 0.3754



90.3932, 0.3121, 0.3415



50.2117, 0.3385, 0.3716



19.7632, 0.3120, 0.3433



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

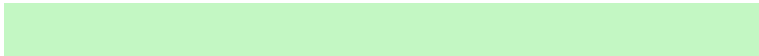


# Same Dimension

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



46.4313, 0.3105, 0.3754



82.3541, 0.3099, 0.3874



47.0323, 0.2985, 0.3518



10.6499, 0.3116, 0.3527



24.4884, 0.3000, 0.5999



0.9593, 0.2998, 0.5994



# Inverse Universe

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



38.7709, 0.3148, 0.2866



65.7828, 0.3152, 0.2768



38.0912, 0.3298, 0.3073



9.6961, 0.3138, 0.3064



9.7433, 0.3213, 0.1544

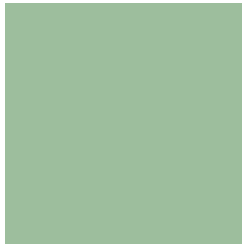


0.3817, 0.3212, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 46.4293, 0.3105, 0.3754 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 46.4293, 0.3105, 0.3754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

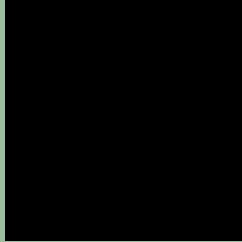
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4293, 0.3105, 0.3754**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4293, 0.3105, 0.3754.



This preview shows how white text looks on a background with the Yxy color 46.4293, 0.3105, 0.3754.

# 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

46.4293, 0.3105, 0.3754

### Protanopia

46.3911, 0.3455, 0.3669

### Deuteranopia

45.9320, 0.3542, 0.3466



## Tritanopia

46.2970, 0.2855, 0.3091

# Trichromacy



**Original Color**

46.4293, 0.3105, 0.3754

**Protanomaly**

46.1978, 0.3324, 0.3694

**Deuteranomaly**

45.8371, 0.3371, 0.3567

**Tritanomaly**

46.1556, 0.2940, 0.3317

# Monochromacy



**Original Color**

46.4293, 0.3105, 0.3754

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

44.3473, 0.3119, 0.3454

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4293, 0.3105, 0.3754 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(157, 190, 157)` looks like.

```
.text, #text, p{  
    color:rgb(157, 190, 157)  
}
```

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(157, 190, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 190, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4293, 0.3105, 0.3754 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(157, 190, 157) }
```

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

```
.border{ border-color:rgb(157, 190, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 190, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 190, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 190, 157);  
box-shadow:4px 4px 4px 4px rgb(157, 190,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4293, 0.3105, 0.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 190, 157) }
```

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

```
.background{ background-color: rgb(157,  
190, 157) }
```

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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