

# Converting Colors

$Yxy(46.8515, 0.3029, 0.3582)$

Have a look what the booklet for  
Yxy(46.8515, 0.3029, 0.3582)  
contains.

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# Color

**Yxy(46.9606, 0.3025, 0.3581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EBEA9
RGB	158, 190, 169
RGB Percent	62%, 75%, 66%
CMY	0.3805, 0.2548, 0.3373
CMYK	0.17, 0.00, 0.11, 0.25
HSL	141°, 20%, 68%
HSV	141°, 17%, 75%
XYZ	39.6693, 46.9606, 44.5083
YIQ	178.0380, -12.3310, -13.3150

# Conversions

## Conversions Part 2

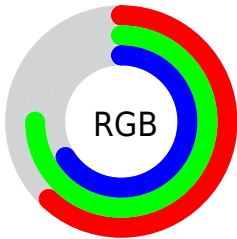
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 182, 190
Decimal	10403497
CIELab	74.16, -14.98, 7.03
CIELCh	74, 16.547, 154.876
Yxy	46.9606, 0.3025, 0.3581
Android (android.graphics.Color)	4288593577 (0xFF9EBEA9)
YUV	178.0380, -4.4557, -17.5733
Hunter-Lab	68.5278, -16.5937, 9.4610

# Details

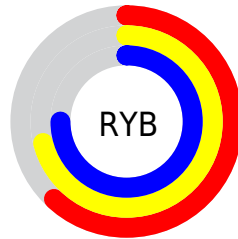
The Yxy color **46.9606, 0.3025, 0.3581** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.6429, 0.3246, 0.3016**, and the grayscale version is **44.5681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4395, 0.3047, 0.3525**, and **22.2398, 0.2991, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **44.7371, 0.2967, 0.3781**, and if you desaturate by 10%, it is **49.5306, 0.3085, 0.3402**.

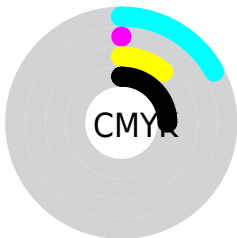
# Distribution



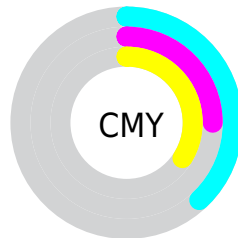
- Red (62%)
- Green (75%)
- Blue (66%)



- Red (62%)
- Yellow (71%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)




- Cyan (38%)
- Magenta (25%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9606, 0.3025, 0.3581 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 46.9606, 0.3025, 0.3581 by changing the saturation by 10% instead.





 46.9606, 0.3025,  
0.3581


 46.9606, 0.3025,  
0.3581


374.6572, 0.3078,  
0.3433

 33.0045, 0.3011,  
0.3619


 85.6548, 0.3044,  
0.3526

 22.1299, 0.2994,  
0.3668


 111.1617, 0.3052,  
0.3506

 13.9524, 0.2970,  
0.3735


141.2877, 0.3058,  
0.3489

 8.0876, 0.2935,  
0.3830

176.4171, 0.3063,  
0.3475

 4.1510, 0.2881,  
0.3977

216.9344, 0.3067,  
0.3462

 1.7584, 0.2786,  
0.4232

263.2239, 0.3071,

 0.4610, 0.1332,

0.3451

0.8470

315.6700, 0.3074,  
0.3441

0.0000, 0.0000,  
0.0000

46.9606, 0.3025,  
0.3581

46.9606, 0.3025,  
0.3581

44.7371, 0.2967,  
0.3781

49.5306, 0.3085,  
0.3402

42.8392, 0.2913,  
0.4001

52.4550, 0.3146,  
0.3242

41.2528, 0.2868,  
0.4237


55.7491, 0.3206,  
0.3102

39.9607, 0.2832,  
0.4486

59.4252, 0.3264,  
0.2979


38.9436, 0.2811,  
0.4739


63.4953, 0.3319,  
0.2872


 38.1800, 0.2807,  
0.4988

 64.6092, 0.3240,  
0.2756

 37.6450, 0.2819,  
0.5220

 65.3129, 0.3157,  
0.2654

 37.3052, 0.2848,  
0.5427

 37.2196, 0.2858,  
0.5487

# Harmonies

## Analogous

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



46.9606, 0.3257, 0.3689



46.9606, 0.3025, 0.3581



46.9606, 0.2826, 0.3386

# Triad

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



46.9606, 0.3025, 0.3581



46.9606, 0.2798, 0.2912



46.9606, 0.3565, 0.3384

# Complementary

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



46.9606, 0.3025, 0.3581



38.6429, 0.3246, 0.3016

# 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.



46.9606, 0.3433, 0.3189



46.9606, 0.3025, 0.3581



46.9606, 0.2986, 0.2923

# Square

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



46.9606, 0.3025, 0.3581



46.9606, 0.2698, 0.2999



46.9606, 0.3219, 0.3023



46.9606, 0.3574, 0.3563



# Rectangle

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



46.9606, 0.3025, 0.3581



46.9606, 0.2736, 0.3240



46.9606, 0.3219, 0.3023



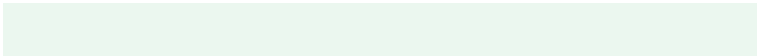
46.9606, 0.3533, 0.3318

# Sweetspot

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



46.9626, 0.3025, 0.3581



90.6413, 0.3096, 0.3372



48.9232, 0.3285, 0.3716



19.8248, 0.3092, 0.3383



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

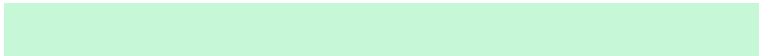


# Same Dimension

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



46.9626, 0.3025, 0.3581



83.6272, 0.3005, 0.3648



47.5870, 0.2913, 0.3362



10.7024, 0.3070, 0.3444



24.7584, 0.2851, 0.5463



0.9823, 0.2709, 0.4952



# Inverse Universe

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



38.6429, 0.3246, 0.3016



65.9020, 0.3275, 0.2957



38.0445, 0.3393, 0.3220



9.6389, 0.3189, 0.3141



8.2717, 0.4301, 0.2143



0.3359, 0.3977, 0.1965



# Previews

## White Background



This preview shows how the Yxy color 46.9606, 0.3025, 0.3581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

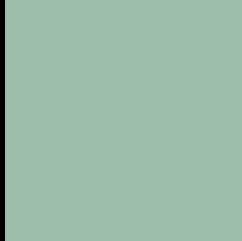
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9606, 0.3025, 0.3581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

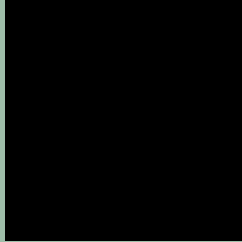
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9606, 0.3025, 0.3581**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9606, 0.3025, 0.3581.



This preview shows how white text looks on a background with the Yxy color 46.9606, 0.3025, 0.3581.

# 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

46.9606, 0.3025, 0.3581

### Protanopia

46.5469, 0.3336, 0.3512

### Deuteranopia

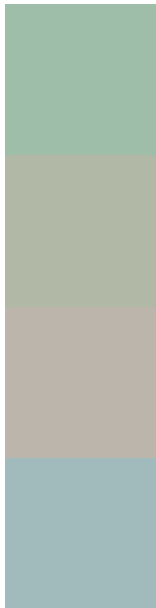
46.7257, 0.3403, 0.3341



## Tritanopia

46.6546, 0.2841, 0.3091

# Trichromacy



**Original Color**

46.9606, 0.3025, 0.3581

**Protanomaly**

46.4991, 0.3218, 0.3531

**Deuteranomaly**

46.5528, 0.3260, 0.3421

**Tritanomaly**

46.7918, 0.2904, 0.3262

# Monochromacy



**Original Color**

46.9606, 0.3025, 0.3581

**Achromatopsia**

44.5201, 0.3127, 0.3290

**Achromatomaly**

45.2090, 0.3089, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  46.9606, 0.3025, 0.3581 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(158, 190, 169)` looks like.

```
.text, #text, p{  
    color:rgb(158, 190, 169)  
}
```

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(158, 190, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 190, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9606, 0.3025, 0.3581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

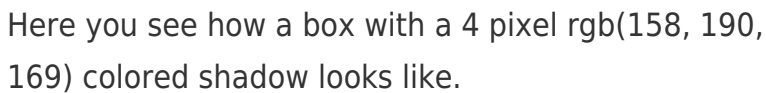
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 190, 169) }
```

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

```
.border{ border-color:rgb(158, 190, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 190, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 190, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 190, 169); box-shadow:4px 4px 4px 4px rgb(158, 190, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9606, 0.3025, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 190, 169) }
```

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

```
.background{ background-color: rgb(158,  
190, 169) }
```

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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