

# Converting Colors

$Yxy(47.0027, 0.3136, 0.4277)$

Have a look what the booklet for  
Yxy(47.0027, 0.3136, 0.4277)  
contains.

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# Color

**Yxy(46.9475, 0.3140, 0.4276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AC582
RGB	138, 197, 130
RGB Percent	54%, 77%, 51%
CMY	0.4589, 0.2274, 0.4901
CMYK	0.30, 0.00, 0.34, 0.23
HSL	113°, 37%, 64%
HSV	113°, 34%, 77%
XYZ	34.4750, 46.9475, 28.3705
YIQ	171.7210, -13.6570, -33.3450

# Conversions

## Conversions Part 2

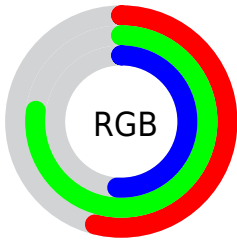
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 197, 189
Decimal	9094530
CIELab	74.16, -32.02, 27.70
CIElCh	74, 42.341, 139.140
Yxy	46.9475, 0.3140, 0.4276
Android (android.graphics.Color)	4287284610 (0xFF8AC582)
YUV	171.7210, -20.5685, -29.5733
Hunter-Lab	68.5182, -30.0945, 23.4133

# Details

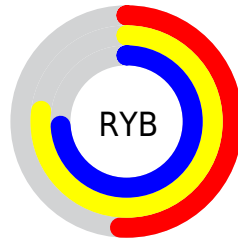
The Yxy color  $46.9475, 0.3140, 0.4276$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $30.8276, 0.3085, 0.2435$ , and the grayscale version is  $41.2171, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.6400, 0.3150, 0.4088$ , and  $22.2025, 0.3122, 0.4588$  is the 20% darker color. If you saturate the color by 10%, you get  $45.1060, 0.3136, 0.4618$ , and if you desaturate by 10%, it is  $49.1310, 0.3140, 0.3952$ .

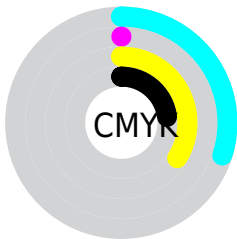
# Distribution



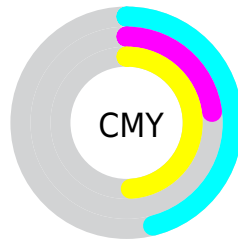
- Red (54%)
- Green (77%)
- Blue (51%)



- Red (51%)
- Yellow (77%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (34%)
- Black (23%)



- Cyan (46%)
- Magenta (23%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9475, 0.3140, 0.4276 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 46.9475, 0.3140, 0.4276 by changing the saturation by 10% instead.





 46.9475, 0.3140,  
0.4276


 46.9475, 0.3140,  
0.4276


374.6049, 0.3149,  
0.3759


 32.9942, 0.3132,  
0.4412


 85.6353, 0.3147,  
0.4083

 22.1220, 0.3119,  
0.4591


 111.1384, 0.3149,  
0.4012

 13.9465, 0.3094,  
0.4834


 141.2604, 0.3149,  
0.3952

 8.0835, 0.3045,  
0.5183

176.3854, 0.3150,  
0.3902

 4.1484, 0.2941,  
0.5716

216.8980, 0.3150,  
0.3859

 1.7569, 0.2872,  
0.7128

263.1826, 0.3149,

 0.4601, 0.0000,

0.3821

1.0000

315.6234, 0.3149,  
0.3788

0.0000, 0.0000,  
0.0000

46.9475, 0.3140,  
0.4276

46.9475, 0.3140,  
0.4276

45.1060, 0.3136,  
0.4618

49.1310, 0.3140,  
0.3952

43.5834, 0.3127,  
0.4963

51.6663, 0.3136,  
0.3654

42.3632, 0.3112,  
0.5288


54.5701, 0.3130,  
0.3388


41.4251, 0.3092,  
0.5571

57.8565, 0.3123,  
0.3153

40.7459, 0.3068,  
0.5788

61.5388, 0.3114,  
0.2947

 40.2989, 0.3041,  
0.5925

 65.6294, 0.3106,  
0.2769

 40.1228, 0.3029,  
0.5977

 68.4158, 0.3154,  
0.2722

# Harmonies

## Analogous

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



46.9475, 0.3708, 0.4351



46.9475, 0.3140, 0.4276



46.9475, 0.2597, 0.3837

# Triad

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



46.9475, 0.3140, 0.4276



46.9475, 0.2173, 0.2433



46.9475, 0.4117, 0.3228

# Complementary

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



46.9475, 0.3140, 0.4276



30.8276, 0.3085, 0.2435

# 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.



46.9475, 0.3627, 0.2813



46.9475, 0.3140, 0.4276



46.9475, 0.2502, 0.2370

# Square

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



46.9475, 0.3140, 0.4276



46.9475, 0.2074, 0.2724



46.9475, 0.3024, 0.2509



46.9475, 0.4306, 0.3685



# Rectangle

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



46.9475, 0.3140, 0.4276



46.9475, 0.2320, 0.3434



46.9475, 0.3024, 0.2509



46.9475, 0.3980, 0.3082

# Sweetspot

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



46.9495, 0.3140, 0.4276



94.4496, 0.3134, 0.3548



49.4824, 0.3668, 0.4028



20.0611, 0.3135, 0.3587



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

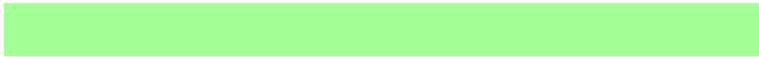


# Same Dimension

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



46.9495, 0.3140, 0.4276



81.5093, 0.3137, 0.4536



47.0359, 0.2918, 0.3915



11.9472, 0.3133, 0.3527



26.4078, 0.3033, 0.5974



1.2710, 0.3131, 0.5896



# Inverse Universe

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



30.8276, 0.3085, 0.2435



48.1567, 0.3071, 0.2246



30.8379, 0.3422, 0.2741



10.7502, 0.3119, 0.3061



8.5640, 0.2914, 0.1379



0.4240, 0.2979, 0.1415



# Previews

## White Background



This preview shows how the Yxy color 46.9475, 0.3140, 0.4276 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 46.9475, 0.3140, 0.4276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

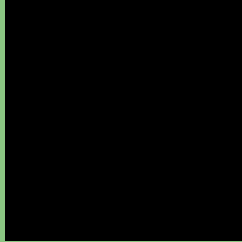
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9475, 0.3140, 0.4276**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9475, 0.3140, 0.4276.



This preview shows how white text looks on a background with the Yxy color 46.9475, 0.3140, 0.4276.

# 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

46.9475, 0.3140, 0.4276

### Protanopia

46.7814, 0.3741, 0.4033

### Deuteranopia

46.3175, 0.3843, 0.3768



## Tritanopia

46.8575, 0.2737, 0.3088

# Trichromacy



**Original Color**

46.9475, 0.3140, 0.4276

**Protanomaly**

46.2771, 0.3512, 0.4120

**Deuteranomaly**

45.5885, 0.3564, 0.3943

**Tritanomaly**

46.5072, 0.2884, 0.3500

# Monochromacy



**Original Color**

46.9475, 0.3140, 0.4276

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

42.9557, 0.3137, 0.3631

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9475, 0.3140, 0.4276 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(138, 197, 130)` looks like.

```
.text, #text, p{  
    color:rgb(138, 197, 130)  
}
```

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(138, 197, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 197, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9475, 0.3140, 0.4276 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(138, 197, 130) }
```

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

```
.border{ border-color:rgb(138, 197, 130) }
```

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

Here you see how a box with a 4 pixel rgb(138, 197, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 197, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 197, 130);  
box-shadow:4px 4px 4px 4px rgb(138, 197,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9475, 0.3140, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 197, 130) }
```

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

```
.background{ background-color: rgb(138,  
197, 130) }
```

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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