

# Converting Colors

$Yxy(46.4181, 0.3257, 0.4276)$

Have a look what the booklet for  
Yxy(46.4181, 0.3257, 0.4276)  
contains.

|   |    |
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# Color

**Yxy(46.4795, 0.3259, 0.4273)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 95C27E                      |
| RGB         | 149, 194, 126               |
| RGB Percent | 58%, 76%, 49%               |
| CMY         | 0.4158, 0.2392, 0.5058      |
| CMYK        | 0.23, 0.00, 0.35, 0.24      |
| HSL         | 100°, 36%, 63%              |
| HSV         | 100°, 35%, 76%              |
| XYZ         | 35.4497, 46.4795, 26.8456   |
| YIQ         | 172.7930, -4.9920, -30.6880 |

# Conversions

## Conversions Part 2

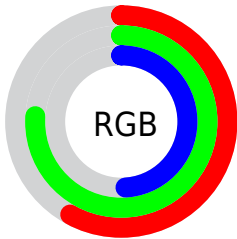
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 126, 194, 171                   |
| Decimal                             | 9814654                         |
| CIELab                              | 73.86, -27.40, 29.51            |
| CIELCh                              | 74, 40.270, 132.872             |
| Yxy                                 | 46.4795, 0.3259,<br>0.4273      |
| Android<br>(android.graphics.Color) | 4288004734<br>(0xFF95C27E)      |
| YUV                                 | 172.7930, -23.0689,<br>-20.8665 |
| Hunter-Lab                          | 68.1759, -26.4923,<br>24.3765   |

# Details

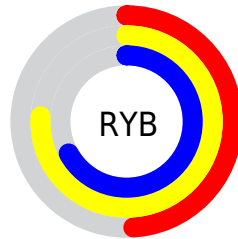
The Yxy color **46.4795, 0.3259, 0.4273** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.4834, 0.2930, 0.2368**, and the grayscale version is **41.7992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0864, 0.3245, 0.4088**, and **21.8194, 0.3276, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **44.8858, 0.3284, 0.4591**, and if you desaturate by 10%, it is **48.3077, 0.3226, 0.3966**.

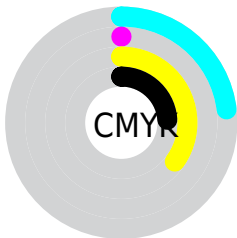
# Distribution



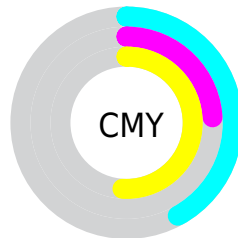
- Red (58%)
- Green (76%)
- Blue (49%)



- Red (49%)
- Yellow (76%)
- Blue (67%)



- Cyan (23%)
- Magenta (0%)
- Yellow (35%)
- Black (24%)



- Cyan (42%)
- Magenta (24%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4795, 0.3259, 0.4273 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 46.4795, 0.3259, 0.4273 by changing the saturation by 10% instead.




 46.4795, 0.3259,  
0.4273

 46.4795, 0.3259,  
0.4273


372.7331, 0.3208,  
0.3760


 32.6244, 0.3266,  
0.4407


 84.9362, 0.3244,  
0.4082

 21.8388, 0.3271,  
0.4582


 110.3065, 0.3238,  
0.4011

 13.7385, 0.3271,  
0.4819


 140.2840, 0.3232,  
0.3952

 7.9390, 0.3255,  
0.5156

175.2531, 0.3226,  
0.3902

 4.0560, 0.3198,  
0.5667

215.5981, 0.3221,  
0.3859

 1.7049, 0.3164,  
0.6836

261.7035, 0.3216,

 0.4268, 0.0000,

0.3822

1.0000

313.9537, 0.3212,  
0.3789

0.0000, 0.0000,  
0.0000

46.4795, 0.3259,  
0.4273

46.4795, 0.3259,  
0.4273

44.8858, 0.3284,  
0.4591

48.3077, 0.3226,  
0.3966

43.5106, 0.3297,  
0.4907

50.3736, 0.3188,  
0.3677

42.3452, 0.3296,  
0.5205


52.6880, 0.3148,  
0.3413


41.3777, 0.3279,  
0.5464

55.2591, 0.3107,  
0.3175


40.5950, 0.3245,  
0.5669


58.0950, 0.3066,  
0.2963

 39.9818, 0.3198,  
0.5809

 61.2030, 0.3027,  
0.2774

 39.7291, 0.3174,  
0.5862

 64.1435, 0.3035,  
0.2670

 66.4588, 0.3131,  
0.2688

 67.0673, 0.3155,  
0.2693

# Harmonies

## Analogous

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



46.4795, 0.3788, 0.4275



46.4795, 0.3259, 0.4273



46.4795, 0.2721, 0.3919

# Triad

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



46.4795, 0.3259, 0.4273



46.4795, 0.2173, 0.2510



46.4795, 0.3993, 0.3144

# Complementary

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



46.4795, 0.3259, 0.4273



27.4834, 0.2930, 0.2368

# 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.



46.4795, 0.3487, 0.2761



46.4795, 0.3259, 0.4273



46.4795, 0.2446, 0.2403

# Square

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



46.4795, 0.3259, 0.4273



46.4795, 0.2126, 0.2838



46.4795, 0.2914, 0.2498



46.4795, 0.4243, 0.3582



# Rectangle

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



46.4795, 0.3259, 0.4273



46.4795, 0.2429, 0.3551



46.4795, 0.2914, 0.2498



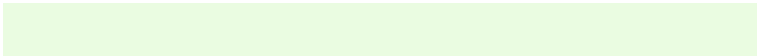
46.4795, 0.3844, 0.3007

# Sweetspot

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



46.4815, 0.3259, 0.4273



92.8251, 0.3173, 0.3572



41.8054, 0.3746, 0.3874



20.2032, 0.3179, 0.3609



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

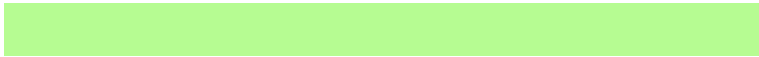


# Same Dimension

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



46.4815, 0.3259, 0.4273



81.9656, 0.3279, 0.4515



44.8075, 0.3011, 0.4169



11.4204, 0.3166, 0.3524



26.1590, 0.3183, 0.5855



1.1686, 0.3365, 0.5710



# Inverse Universe

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



27.4834, 0.2930, 0.2368



42.4411, 0.2873, 0.2159



29.8483, 0.3272, 0.2547



10.0717, 0.3085, 0.3059



5.6491, 0.2382, 0.1086



0.2807, 0.2571, 0.1190



# Previews

## White Background



This preview shows how the Yxy color 46.4795, 0.3259, 0.4273 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 46.4795, 0.3259, 0.4273 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

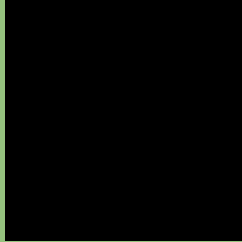
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4795, 0.3259, 0.4273**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4795, 0.3259, 0.4273.



This preview shows how white text looks on a background with the Yxy color 46.4795, 0.3259, 0.4273.

# 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

46.4795, 0.3259, 0.4273

### Protanopia

46.1640, 0.3761, 0.4062

### Deuteranopia

45.9729, 0.3893, 0.3802



## Tritanopia

46.4451, 0.2826, 0.3090

# Trichromacy



**Original Color**

46.4795, 0.3259, 0.4273

**Protanomaly**

46.1316, 0.3566, 0.4141

**Deuteranomaly**

45.7091, 0.3648, 0.3973

**Tritanomaly**

46.1517, 0.2988, 0.3498

# Monochromacy



**Original Color**

46.4795, 0.3259, 0.4273

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

43.3406, 0.3179, 0.3642

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4795, 0.3259, 0.4273 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(149, 194, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 194, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4795, 0.3259, 0.4273 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, 126) }
```

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

```
.border{ border-color:rgb(149, 194, 126) }
```

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, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 194, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 194, 126);  
box-shadow:4px 4px 4px 4px rgb(149, 194,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4795, 0.3259, 0.4273 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, 126) }
```

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

```
.background{ background-color: rgb(149,  
194, 126) }
```

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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