

Converting Colors

$Yxy(46.8614, 0.2984, 0.3882)$

Have a look what the booklet for
Yxy(46.8614, 0.2984, 0.3882)
contains.

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Color

Yxy(46.8523, 0.2986, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	8BC39A
RGB	139, 195, 154
RGB Percent	55%, 76%, 60%
CMY	0.4547, 0.2353, 0.3961
CMYK	0.29, 0.00, 0.21, 0.24
HSL	136°, 32%, 65%
HSV	136°, 29%, 76%
XYZ	36.0013, 46.8523, 37.7133
YIQ	173.5820, -20.2150, -24.6230

Conversions

Conversions Part 2

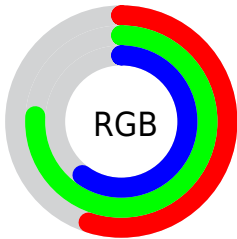
Format	Color
RYB	139, 183, 195
Decimal	9159578
CIELab	74.10, -26.57, 14.88
CIELCh	74, 30.456, 150.753
Yxy	46.8523, 0.2986, 0.3886
Android (android.graphics.Color)	4287349658 (0xFF8BC39A)
YUV	173.5820, -9.6539, -30.3284
Hunter-Lab	68.4487, -25.9015, 15.2470

Details

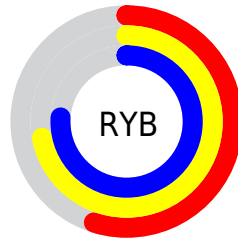
The Yxy color **46.8523, 0.2986, 0.3886** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.3802, 0.3307, 0.2761**, and the grayscale version is **42.1661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6442, 0.3019, 0.3778**, and **22.0553, 0.2934, 0.4069** is the 20% darker color. If you saturate the color by 10%, you get **44.8737, 0.2942, 0.4137**, and if you desaturate by 10%, it is **49.1910, 0.3034, 0.3656**.

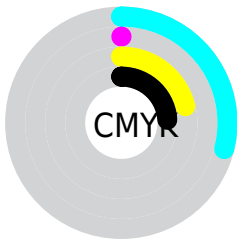
Distribution



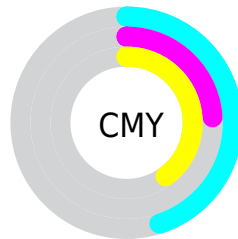
- Red (55%)
- Green (76%)
- Blue (60%)



- Red (55%)
- Yellow (72%)
- Blue (76%)



- Cyan (29%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)




- Cyan (45%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8523, 0.2986, 0.3886 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 46.8523, 0.2986, 0.3886 by changing the saturation by 10% instead.

 46.8523, 0.2986,
0.3886


 46.8523, 0.2986,
0.3886

374.2247, 0.3062,
0.3577


 32.9189, 0.2965,
0.3967


 85.4931, 0.3015,
0.3771

 22.0643, 0.2937,
0.4073


 110.9693, 0.3026,
0.3729

 13.9042, 0.2897,
0.4218


 141.0619, 0.3034,
0.3693

 8.0540, 0.2838,
0.4428

176.1553, 0.3042,
0.3663

 4.1296, 0.2740,
0.4757

216.6339, 0.3048,
0.3637

 1.7463, 0.2576,
0.5391

262.8820, 0.3053,

 0.4534, 0.0000,

0.3614

1.0000

315.2842, 0.3058,
0.3594

0.0000, 0.0000,
0.0000

46.8523, 0.2986,
0.3886

46.8523, 0.2986,
0.3886

44.8737, 0.2942,
0.4137

49.1910, 0.3034,
0.3656

43.2313, 0.2905,
0.4406

51.9004, 0.3084,
0.3450

41.9077, 0.2878,
0.4685

54.9982, 0.3134,
0.3267

40.8814, 0.2864,
0.4962

58.4989, 0.3182,
0.3107

40.1280, 0.2864,
0.5225

62.4164, 0.3229,
0.2967

■ 39.6192, 0.2880,
0.5460

■ 66.5641, 0.3266,
0.2844

■ 39.3101, 0.2907,
0.5654

■ 67.4462, 0.3162,
0.2711

■ 39.2763, 0.2910,
0.5677

■ 67.5078, 0.3155,
0.2703

Harmonies

Analogous

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



46.8523, 0.3408, 0.4054



46.8523, 0.2986, 0.3886



46.8523, 0.2618, 0.3520

Triad

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



46.8523, 0.2986, 0.3886



46.8523, 0.2498, 0.2620



46.8523, 0.3920, 0.3391

Complementary

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



46.8523, 0.2986, 0.3886



33.3802, 0.3307, 0.2761

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.



46.8523, 0.3643, 0.3056



46.8523, 0.2986, 0.3886



46.8523, 0.2809, 0.2627

Square

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



46.8523, 0.2986, 0.3886



46.8523, 0.2352, 0.2782



46.8523, 0.3227, 0.2784



46.8523, 0.3964, 0.3726

Rectangle

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



46.8523, 0.2986, 0.3886



46.8523, 0.2449, 0.3238



46.8523, 0.3227, 0.2784



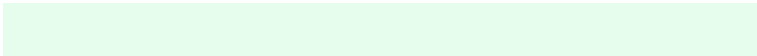
46.8523, 0.3850, 0.3276

Sweetspot

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



46.8543, 0.2986, 0.3886



92.7263, 0.3081, 0.3459



50.6060, 0.3426, 0.4030



20.1401, 0.3074, 0.3488



0.0000, 0.0000, 0.0000



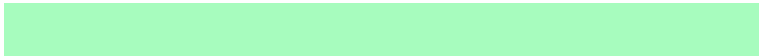
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8543, 0.2986, 0.3886



81.7750, 0.2960, 0.4030



47.8964, 0.2799, 0.3472



11.3020, 0.3080, 0.3463



25.5412, 0.2904, 0.5654



1.1155, 0.2774, 0.5188

Inverse Universe

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



33.3802, 0.3307, 0.2761



53.9638, 0.3354, 0.2651



32.3530, 0.3605, 0.3117



10.2001, 0.3177, 0.3123



8.8429, 0.4014, 0.1985



0.3930, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 46.8523, 0.2986, 0.3886 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 46.8523, 0.2986, 0.3886 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 46.8523, 0.2986, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 46.8523, 0.2986, 0.3886.



This preview shows how white text looks on a background with the Yxy color 46.8523, 0.2986, 0.3886.

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

46.8523, 0.2986, 0.3886

Protanopia

46.3608, 0.3506, 0.3734

Deuteranopia

46.3940, 0.3566, 0.3503



Tritanopia

46.6678, 0.2723, 0.3087

Trichromacy



Original Color

46.8523, 0.2986, 0.3886

Protanomaly

46.2041, 0.3299, 0.3783

Deuteranomaly

45.8353, 0.3329, 0.3624

Tritanomaly

46.7841, 0.2816, 0.3373

Monochromacy



Original Color

46.8523, 0.2986, 0.3886

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8230, 0.3067, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8523, 0.2986, 0.3886 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(139, 195, 154)` looks like.

```
.text, #text, p{  
    color:rgb(139, 195, 154)  
}
```

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(139, 195, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 195, 154) }
```

Border

The CSS property to change the border of an element to Yxy 46.8523, 0.2986, 0.3886 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(139, 195, 154) }
```

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

```
.border{ border-color:rgb(139, 195, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 195, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 195, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 195, 154); box-shadow:4px 4px 4px 4px rgb(139, 195, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8523, 0.2986, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 195, 154) }
```

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

```
.background{ background-color: rgb(139,  
195, 154) }
```

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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