

Converting Colors

$Y_{xy}(47.1012, 0.2964, 0.3924)$

Have a look what the booklet for
Yxy(47.1012, 0.2964, 0.3924)
contains.

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Color

Yxy(46.9307, 0.2963, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	87C499
RGB	135, 196, 153
RGB Percent	53%, 77%, 60%
CMY	0.4706, 0.2314, 0.3999
CMYK	0.31, 0.00, 0.22, 0.23
HSL	138°, 34%, 65%
HSV	138°, 31%, 77%
XYZ	35.4824, 46.9307, 37.3386
YIQ	172.8590, -22.5530, -26.3050

Conversions

Conversions Part 2

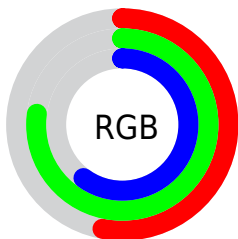
Format	Color
RYB	135, 182, 196
Decimal	8897689
CIELab	74.15, -28.54, 15.43
CIELCh	74, 32.443, 151.594
Yxy	46.9307, 0.2963, 0.3919
Android (android.graphics.Color)	4287087769 (0xFF87C499)
YUV	172.8590, -9.7905, -33.2023
Hunter-Lab	68.5060, -27.4320, 15.6387

Details

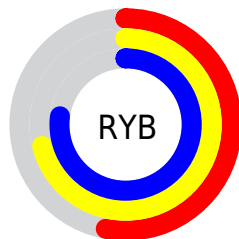
The Yxy color **46.9307, 0.2963, 0.3919** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.2752, 0.3345, 0.2735**, and the grayscale version is **41.7743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7027, 0.3001, 0.3803**, and **22.1443, 0.2907, 0.4116** is the 20% darker color. If you saturate the color by 10%, you get **45.0236, 0.2918, 0.4165**, and if you desaturate by 10%, it is **49.1938, 0.3014, 0.3693**.

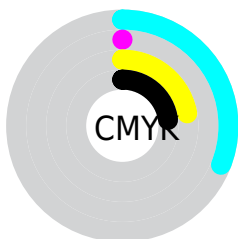
Distribution



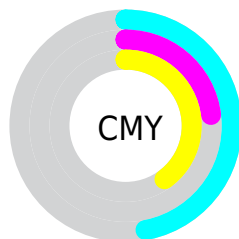
- Red (53%)
- Green (77%)
- Blue (60%)



- Red (53%)
- Yellow (71%)
- Blue (77%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)





- Cyan (47%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9307, 0.2963, 0.3919 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 46.9307, 0.2963, 0.3919 by changing the saturation by 10% instead.


 46.9307, 0.2963,
0.3919


 46.9307, 0.2963,
0.3919


374.5378, 0.3051,
0.3592


 32.9809, 0.2939,
0.4005


 85.6102, 0.2997,
0.3797

 22.1118, 0.2906,
0.4117


 111.1086, 0.3009,
0.3752

 13.9391, 0.2861,
0.4271


 141.2254, 0.3019,
0.3715

 8.0783, 0.2793,
0.4494

176.3448, 0.3027,
0.3683

 4.1451, 0.2681,
0.4844

216.8514, 0.3035,
0.3655

 1.7551, 0.2495,
0.5531

263.1295, 0.3041,

 0.4589, 0.0000,

0.3632

1.0000

315.5635, 0.3047,
0.3611

0.0000, 0.0000,
0.0000

46.9307, 0.2963,
0.3919

46.9307, 0.2963,
0.3919

45.0236, 0.2918,
0.4165

49.1938, 0.3014,
0.3693

43.4484, 0.2880,
0.4426

51.8238, 0.3067,
0.3490

42.1871, 0.2854,
0.4696


54.8387, 0.3121,
0.3309

41.2175, 0.2842,
0.4964

58.2531, 0.3174,
0.3150

40.5147, 0.2846,
0.5217


62.0811, 0.3226,
0.3010

 40.0489, 0.2866,
0.5442

 66.3363, 0.3276,
0.2889

 39.7864, 0.2892,
0.5613

 67.6226, 0.3192,
0.2761

 67.9613, 0.3154,
0.2712

Harmonies

Analogous

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



46.9307, 0.3411, 0.4105



46.9307, 0.2963, 0.3919



46.9307, 0.2577, 0.3521

Triad

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



46.9307, 0.2963, 0.3919



46.9307, 0.2467, 0.2578



46.9307, 0.3977, 0.3405

Complementary

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



46.9307, 0.2963, 0.3919



32.2752, 0.3345, 0.2735

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.



46.9307, 0.3687, 0.3050



46.9307, 0.2963, 0.3919



46.9307, 0.2800, 0.2591

Square

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



46.9307, 0.2963, 0.3919



46.9307, 0.2308, 0.2742



46.9307, 0.3246, 0.2761



46.9307, 0.4015, 0.3758

Rectangle

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



46.9307, 0.2963, 0.3919



46.9307, 0.2402, 0.3220



46.9307, 0.3246, 0.2761



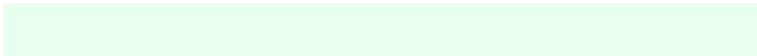
46.9307, 0.3905, 0.3283

Sweetspot

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



46.9327, 0.2963, 0.3919



94.9065, 0.3078, 0.3452



50.7805, 0.3442, 0.4099



20.1496, 0.3070, 0.3480



0.0000, 0.0000, 0.0000



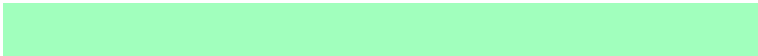
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9327, 0.2963, 0.3919



82.7152, 0.2933, 0.4076



48.0416, 0.2767, 0.3475



11.3067, 0.3077, 0.3456



25.5769, 0.2886, 0.5588



1.1175, 0.2754, 0.5115

Inverse Universe

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



32.2752, 0.3345, 0.2735



52.1793, 0.3403, 0.2619



31.2071, 0.3672, 0.3115



10.1951, 0.3182, 0.3129



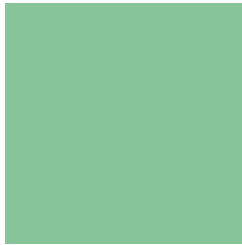
8.7364, 0.4118, 0.2042



0.3891, 0.3870, 0.1906

Previews

White Background



This preview shows how the Yxy color 46.9307, 0.2963, 0.3919 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 46.9307, 0.2963, 0.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

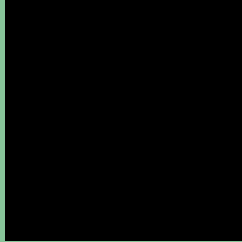
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9307, 0.2963, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 46.9307, 0.2963, 0.3919.



This preview shows how white text looks on a background with the Yxy color 46.9307, 0.2963, 0.3919.

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

46.9307, 0.2963, 0.3919

Protanopia

46.4605, 0.3524, 0.3746

Deuteranopia

46.5385, 0.3576, 0.3502



Tritanopia

46.7746, 0.2690, 0.3086

Trichromacy



Original Color

46.9307, 0.2963, 0.3919

Protanomaly

46.0584, 0.3298, 0.3798

Deuteranomaly

46.0910, 0.3327, 0.3652

Tritanomaly

46.8648, 0.2789, 0.3387

Monochromacy



Original Color

46.9307, 0.2963, 0.3919

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.1718, 0.3058, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9307, 0.2963, 0.3919 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(135, 196, 153)` looks like.

```
.text, #text, p{  
    color:rgb(135, 196, 153)  
}
```

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(135, 196, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 196, 153) }
```

Border

The CSS property to change the border of an element to Yxy 46.9307, 0.2963, 0.3919 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(135, 196, 153) }
```

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

```
.border{ border-color:rgb(135, 196, 153) }
```

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

Here you see how a box with a 4 pixel rgb(135, 196, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 196, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 196, 153);  
box-shadow:4px 4px 4px 4px rgb(135, 196,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9307, 0.2963, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 196, 153) }
```

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

```
.background{ background-color: rgb(135,  
196, 153) }
```

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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