

Converting Colors

$Yxy(45.5307, 0.2956, 0.3864)$

Have a look what the booklet for
Yxy(45.5307, 0.2956, 0.3864)
contains.

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Color

Yxy(45.6239, 0.2956, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	87C19A
RGB	135, 193, 154
RGB Percent	53%, 76%, 60%
CMY	0.4705, 0.2431, 0.3962
CMYK	0.30, 0.00, 0.20, 0.24
HSL	140°, 32%, 64%
HSV	140°, 30%, 76%
XYZ	34.8937, 45.6239, 37.5261
YIQ	171.2120, -22.0490, -24.4250

Conversions

Conversions Part 2

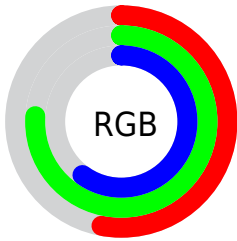
Format	Color
RYB	135, 179, 193
Decimal	8896922
CIELab	73.30, -26.90, 13.74
CIElCh	73, 30.206, 152.936
Yxy	45.6239, 0.2956, 0.3865
Android (android.graphics.Color)	4287087002 (0xFF87C19A)
YUV	171.2120, -8.4855, -31.7579
Hunter-Lab	67.5455, -25.9922, 14.3422

Details

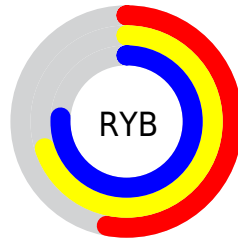
The Yxy color **45.6239, 0.2956, 0.3865** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.7272, 0.3354, 0.2778**, and the grayscale version is **40.8896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8724, 0.2996, 0.3761**, and **21.2835, 0.2895, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **43.7575, 0.2906, 0.4097**, and if you desaturate by 10%, it is **47.8311, 0.3011, 0.3652**.

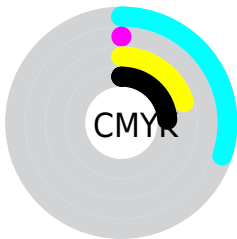
Distribution



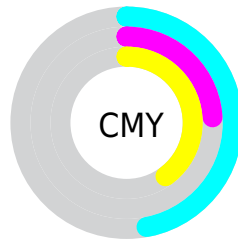
- Red (53%)
- Green (76%)
- Blue (60%)



- Red (53%)
- Yellow (70%)
- Blue (76%)



- Cyan (30%)
- Magenta (0%)
- Yellow (20%)
- Black (24%)




- Cyan (47%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6239, 0.2956, 0.3865 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 45.6239, 0.2956, 0.3865 by changing the saturation by 10% instead.

 45.6239, 0.2956,
0.3865


 45.6239, 0.2956,
0.3865


369.2945, 0.3047,
0.3566

 31.9491, 0.2931,
0.3944


 83.6559, 0.2991,
0.3753

 21.3227, 0.2898,
0.4047


 108.7818, 0.3003,
0.3712

 13.3601, 0.2852,
0.4189


 138.4937, 0.3014,
0.3678

 7.6769, 0.2784,
0.4396

173.1757, 0.3022,
0.3649

 3.8889, 0.2672,
0.4723

213.2125, 0.3030,
0.3623

 1.6116, 0.2479,
0.5377

258.9883, 0.3037,

 0.3654, 0.0000,

0.3602

1.0000

310.8875, 0.3042,
0.3582

0.0000, 0.0000,
0.0000

45.6239, 0.2956,
0.3865

45.6239, 0.2956,
0.3865

43.7575, 0.2906,
0.4097

47.8311, 0.3011,
0.3652

42.2092, 0.2865,
0.4345

50.3894, 0.3068,
0.3461

40.9619, 0.2836,
0.4603


53.3156, 0.3127,
0.3291


39.9951, 0.2820,
0.4862


56.6236, 0.3185,
0.3141


39.2851, 0.2822,
0.5110


60.3269, 0.3241,
0.3009

 38.8045, 0.2840,
0.5338

 64.4379, 0.3294,
0.2894

 38.5017, 0.2871,
0.5534

 65.9885, 0.3229,
0.2775

 66.6217, 0.3156,
0.2683

Harmonies

Analogous

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



45.6239, 0.3378, 0.4051



45.6239, 0.2956, 0.3865



45.6239, 0.2596, 0.3489

Triad

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



45.6239, 0.2956, 0.3865



45.6239, 0.2515, 0.2615



45.6239, 0.3932, 0.3416

Complementary

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



45.6239, 0.2956, 0.3865



31.7272, 0.3354, 0.2778

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.



45.6239, 0.3669, 0.3079



45.6239, 0.2956, 0.3865



45.6239, 0.2837, 0.2633

Square

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



45.6239, 0.2956, 0.3865



45.6239, 0.2356, 0.2765



45.6239, 0.3259, 0.2800



45.6239, 0.3958, 0.3748

Rectangle

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



45.6239, 0.2956, 0.3865



45.6239, 0.2435, 0.3208



45.6239, 0.3259, 0.2800



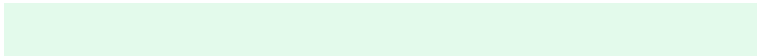
45.6239, 0.3868, 0.3301

Sweetspot

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



45.6258, 0.2956, 0.3865



90.6910, 0.3074, 0.3445



48.9637, 0.3414, 0.4073



19.3014, 0.3065, 0.3471



97.7402, 0.3127, 0.3290



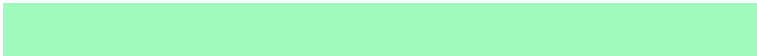
20.4902, 0.3127, 0.3290

Same Dimension

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



45.6258, 0.2956, 0.3865



79.4653, 0.2923, 0.4014



46.6865, 0.2766, 0.3440



11.3119, 0.3072, 0.3449



25.6202, 0.2864, 0.5511



1.1198, 0.2733, 0.5037

Inverse Universe

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



31.7272, 0.3354, 0.2778



50.6181, 0.3418, 0.2665



30.7337, 0.3668, 0.3147



10.1897, 0.3186, 0.3136



8.6262, 0.4236, 0.2107



0.3850, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 45.6239, 0.2956, 0.3865 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 45.6239, 0.2956, 0.3865 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 45.6239, 0.2956, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 45.6239, 0.2956, 0.3865.



This preview shows how white text looks on a background with the Yxy color 45.6239, 0.2956, 0.3865.

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

45.6239, 0.2956, 0.3865

Protanopia

45.2939, 0.3493, 0.3712

Deuteranopia

45.1931, 0.3544, 0.3480



Tritanopia

45.6870, 0.2700, 0.3098

Trichromacy



Original Color

45.6239, 0.2956, 0.3865

Protanomaly

45.0290, 0.3276, 0.3761

Deuteranomaly

44.6605, 0.3306, 0.3601

Tritanomaly

45.5186, 0.2792, 0.3360

Monochromacy



Original Color

45.6239, 0.2956, 0.3865

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2259, 0.3058, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6239, 0.2956, 0.3865 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, 193, 154)` looks like.

```
.text, #text, p{  
    color:rgb(135, 193, 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(135, 193, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 193, 154) }
```

Border

The CSS property to change the border of an element to Yxy 45.6239, 0.2956, 0.3865 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, 193, 154) }
```

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

```
.border{ border-color:rgb(135, 193, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 193, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 193, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 193, 154);  
box-shadow:4px 4px 4px 4px rgb(135, 193,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6239, 0.2956, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 193, 154) }
```

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

```
.background{ background-color: rgb(135,  
193, 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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