

Converting Colors

$Yxy(42.5109, 0.2839, 0.3867)$

Have a look what the booklet for
Yxy(42.5109, 0.2839, 0.3867)
contains.

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Color

Yxy(42.4441, 0.2839, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	75BD98
RGB	117, 189, 152
RGB Percent	46%, 74%, 60%
CMY	0.5412, 0.2588, 0.4039
CMYK	0.38, 0.00, 0.20, 0.26
HSL	149°, 35%, 60%
HSV	149°, 38%, 74%
XYZ	31.2011, 42.4441, 36.2566
YIQ	163.2540, -31.0350, -26.7710

Conversions

Conversions Part 2

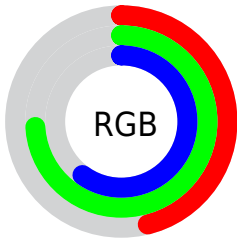
Format	Color
RYB	117, 165, 189
Decimal	7716248
CIELab	71.18, -30.84, 11.68
CIELCh	71, 32.980, 159.259
Yxy	42.4441, 0.2839, 0.3862
Android (android.graphics.Color)	4285906328 (0xFF75BD98)
YUV	163.2540, -5.5482, -40.5648
Hunter-Lab	65.1491, -28.5240, 12.6085

Details

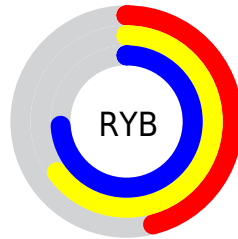
The Yxy color **42.4441, 0.2839, 0.3862** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.8740, 0.3573, 0.2786**, and the grayscale version is **36.7905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1384, 0.2900, 0.3756**, and **19.3575, 0.2744, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **40.9609, 0.2781, 0.4046**, and if you desaturate by 10%, it is **44.2212, 0.2907, 0.3691**.

Distribution



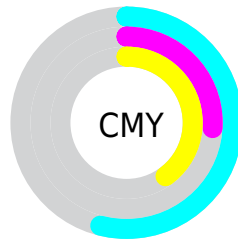
- Red (46%)
- Green (74%)
- Blue (60%)



- Red (46%)
- Yellow (65%)
- Blue (74%)



- Cyan (38%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4441, 0.2839, 0.3862 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 42.4441, 0.2839, 0.3862 by changing the saturation by 10% instead.


 42.4441, 0.2839,
0.3862

 42.4441, 0.2839,
0.3862

356.3206, 0.2991,
0.3561

 29.4492, 0.2799,
0.3943


 78.8713, 0.2896,
0.3749

 19.4209, 0.2745,
0.4049


 103.0724, 0.2917,
0.3707

 11.9748, 0.2671,
0.4198


 131.7777, 0.2934,
0.3673

 6.7265, 0.2563,
0.4417

165.3715, 0.2949,
0.3643

 3.2917, 0.2388,
0.4771

204.2384, 0.2961,
0.3618

 1.2858, 0.1889,
0.5742

248.7625, 0.2972,

 0.1302, 0.0000,

0.3596

1.0000

299.3285, 0.2982,
0.3577

0.0000, 0.0000,
0.0000

42.4441, 0.2839,
0.3862

42.4441, 0.2839,
0.3862

40.9609, 0.2781,
0.4046

44.2212, 0.2907,
0.3691

39.7496, 0.2735,
0.4240

46.3021, 0.2983,
0.3535

38.7937, 0.2706,
0.4440


48.7029, 0.3062,
0.3393

38.0725, 0.2696,
0.4640


51.4366, 0.3143,
0.3267

37.5616, 0.2705,
0.4836

54.5160, 0.3223,
0.3155


 37.2237, 0.2732,
0.5022

 57.9527, 0.3303,
0.3056

 37.1678, 0.2738,
0.5056

 61.7581, 0.3380,
0.2970

 63.3528, 0.3349,
0.2879

 63.9128, 0.3274,
0.2787

Harmonies

Analogous

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



42.4441, 0.3304, 0.4126



42.4441, 0.2839, 0.3862



42.4441, 0.2470, 0.3410

Triad

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



42.4441, 0.2839, 0.3862



42.4441, 0.2509, 0.2531



42.4441, 0.4058, 0.3505

Complementary

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



42.4441, 0.2839, 0.3862



25.8740, 0.3573, 0.2786

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.



42.4441, 0.3814, 0.3128



42.4441, 0.2839, 0.3862



42.4441, 0.2895, 0.2590

Square

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



42.4441, 0.2839, 0.3862



42.4441, 0.2293, 0.2652



42.4441, 0.3376, 0.2803



42.4441, 0.4025, 0.3863

Rectangle

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



42.4441, 0.2839, 0.3862



42.4441, 0.2320, 0.3099



42.4441, 0.3376, 0.2803



42.4441, 0.4006, 0.3378

Sweetspot

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



42.4458, 0.2839, 0.3862



85.8371, 0.3037, 0.3435



44.5709, 0.3378, 0.4330



18.3317, 0.3026, 0.3454



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.4458, 0.2839, 0.3862



73.6904, 0.2788, 0.4020



43.8010, 0.2611, 0.3306



10.7249, 0.3052, 0.3410



25.0219, 0.2732, 0.5033



0.9934, 0.2606, 0.4583

Inverse Universe

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



25.8740, 0.3573, 0.2786



39.6510, 0.3720, 0.2674



24.8538, 0.4037, 0.3276



9.6160, 0.3210, 0.3173



7.8768, 0.4877, 0.2460



0.3217, 0.4374, 0.2183

Previews

White Background



This preview shows how the Yxy color 42.4441, 0.2839, 0.3862 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 42.4441, 0.2839, 0.3862 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 42.4441, 0.2839, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 42.4441, 0.2839, 0.3862.



This preview shows how white text looks on a background with the Yxy color 42.4441, 0.2839, 0.3862.

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

42.4441, 0.2839, 0.3862

Protanopia

41.9680, 0.3469, 0.3685

Deuteranopia

41.8075, 0.3492, 0.3421



Tritanopia

42.4102, 0.2605, 0.3089

Trichromacy



Original Color

42.4441, 0.2839, 0.3862



Protanomaly

41.7177, 0.3210, 0.3752



Deuteranomaly

41.2420, 0.3221, 0.3573



Tritanomaly

42.2451, 0.2683, 0.3348

Monochromacy



Original Color

42.4441, 0.2839, 0.3862



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

38.1192, 0.3004, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4441, 0.2839, 0.3862 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(117, 189, 152)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 152)  
}
```

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(117, 189, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 152) }
```

Border

The CSS property to change the border of an element to Yxy 42.4441, 0.2839, 0.3862 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(117, 189, 152) }
```

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

```
.border{ border-color:rgb(117, 189, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 189, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 152);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4441, 0.2839, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 152) }
```

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

```
.background{ background-color: rgb(117,  
189, 152) }
```

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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