

Converting Colors

$Y_{xy}(42.6640, 0.2842, 0.3606)$

Have a look what the booklet for
Yxy(42.6640, 0.2842, 0.3606)
contains.

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Color

Yxy(42.5803, 0.2839, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	82BAA5
RGB	130, 186, 165
RGB Percent	51%, 73%, 65%
CMY	0.4904, 0.2705, 0.3529
CMYK	0.30, 0.00, 0.11, 0.27
HSL	158°, 29%, 62%
HSV	158°, 30%, 73%
XYZ	33.5513, 42.5803, 42.0485
YIQ	166.8620, -26.6350, -18.4030

Conversions

Conversions Part 2

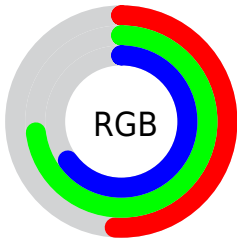
Format	Color
RYB	130, 164, 186
Decimal	8567461
CIELab	71.27, -22.79, 4.82
CIELCh	71, 23.296, 168.060
Yxy	42.5803, 0.2839, 0.3603
Android (android.graphics.Color)	4286757541 (0xFF82BAA5)
YUV	166.8620, -0.9180, -32.3280
Hunter-Lab	65.2536, -22.4147, 7.4719

Details

The Yxy color **42.5803, 0.2839, 0.3603** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.6276, 0.3543, 0.2999**, and the grayscale version is **38.5838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8619, 0.2892, 0.3539**, and **19.5870, 0.2751, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **40.9952, 0.2758, 0.3727**, and if you desaturate by 10%, it is **44.4486, 0.2929, 0.3489**.

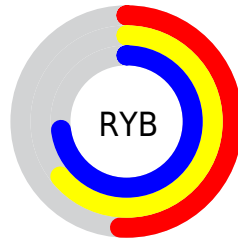
Distribution



Red (51%)

Green (73%)

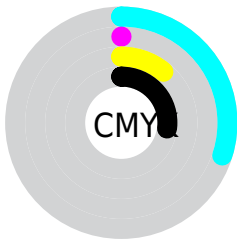
Blue (65%)



Red (51%)

Yellow (64%)

Blue (73%)

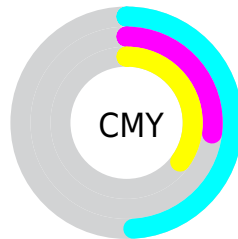


Cyan (30%)

Magenta (0%)

Yellow (11%)

Black (27%)



Cyan (49%)


Magenta (27%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5803, 0.2839, 0.3603 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 42.5803, 0.2839, 0.3603 by changing the saturation by 10% instead.


 42.5803, 0.2839,
0.3603


 42.5803, 0.2839,
0.3603

356.8829, 0.2987,
0.3441

 29.5560, 0.2801,
0.3645


 79.0771, 0.2893,
0.3543

 19.5018, 0.2751,
0.3701


 103.3184, 0.2914,
0.3521

 12.0334, 0.2684,
0.3777


 132.0674, 0.2931,
0.3502

 6.7664, 0.2588,
0.3887

165.7086, 0.2945,
0.3486

 3.3165, 0.2439,
0.4061

204.6264, 0.2958,
0.3473

 1.2991, 0.2133,
0.4402

249.2051, 0.2969,

 0.1405, 0.0000,

0.3461

1.0000

299.8291, 0.2978,
0.3450

0.0000, 0.0000,
0.0000

42.5803, 0.2839,
0.3603

42.5803, 0.2839,
0.3603

40.9952, 0.2758,
0.3727

44.4486, 0.2929,
0.3489

39.6736, 0.2688,
0.3859

46.6082, 0.3026,
0.3385

38.6012, 0.2634,
0.3997


49.0737, 0.3126,
0.3291


37.7603, 0.2598,
0.4140


51.8568, 0.3227,
0.3207


37.1309, 0.2581,
0.4285


54.9686, 0.3328,
0.3133


 36.6893, 0.2584,
0.4429

 58.4199, 0.3427,
0.3067

 36.3908, 0.2602,
0.4568

 61.2280, 0.3481,
0.3006

 61.5914, 0.3424,
0.2936

 61.9703, 0.3368,
0.2868

Harmonies

Analogous

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



42.5803, 0.3162, 0.3832



42.5803, 0.2839, 0.3603



42.5803, 0.2601, 0.3283

Triad

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



42.5803, 0.2839, 0.3603



42.5803, 0.2757, 0.2740



42.5803, 0.3796, 0.3536

Complementary

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



42.5803, 0.2839, 0.3603



28.6276, 0.3543, 0.2999

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.



42.5803, 0.3678, 0.3260



42.5803, 0.2839, 0.3603



42.5803, 0.3064, 0.2816

Square

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



42.5803, 0.2839, 0.3603



42.5803, 0.2556, 0.2796



42.5803, 0.3404, 0.3002



42.5803, 0.3723, 0.3770

Rectangle

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



42.5803, 0.2839, 0.3603



42.5803, 0.2518, 0.3077



42.5803, 0.3404, 0.3002



42.5803, 0.3778, 0.3446

Sweetspot

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



42.5820, 0.2839, 0.3603



84.8838, 0.3036, 0.3375



43.3554, 0.3265, 0.4112



18.5573, 0.3021, 0.3390



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.



42.5820, 0.2839, 0.3603



75.2572, 0.2785, 0.3682



40.7179, 0.2688, 0.3193



10.1520, 0.3034, 0.3377



24.4939, 0.2597, 0.4550



0.8751, 0.2496, 0.4185

Inverse Universe

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



28.6276, 0.3543, 0.2999



45.9965, 0.3667, 0.2934



29.7996, 0.3765, 0.3384



9.0664, 0.3231, 0.3205



7.3316, 0.5447, 0.2774



0.2706, 0.4741, 0.2386

Previews

White Background



This preview shows how the Yxy color 42.5803, 0.2839, 0.3603 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 42.5803, 0.2839, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

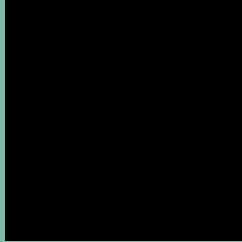
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5803, 0.2839, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 42.5803, 0.2839, 0.3603.



This preview shows how white text looks on a background with the Yxy color 42.5803, 0.2839, 0.3603.

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

42.5803, 0.2839, 0.3603

Protanopia

42.1795, 0.3328, 0.3494

Deuteranopia

42.0763, 0.3342, 0.3278



Tritanopia

42.7598, 0.2676, 0.3092

Trichromacy



Original Color

42.5803, 0.2839, 0.3603

Protanomaly

42.0954, 0.3125, 0.3531

Deuteranomaly

41.9221, 0.3131, 0.3387

Tritanomaly

42.4381, 0.2729, 0.3260

Monochromacy



Original Color

42.5803, 0.2839, 0.3603

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.8953, 0.3017, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5803, 0.2839, 0.3603 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(130, 186, 165)` looks like.

```
.text, #text, p{  
    color:rgb(130, 186, 165)  
}
```

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(130, 186, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 186, 165) }
```

Border

The CSS property to change the border of an element to Yxy 42.5803, 0.2839, 0.3603 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(130, 186, 165) }
```

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

```
.border{ border-color:rgb(130, 186, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 186, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 186, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 186, 165);  
box-shadow:4px 4px 4px 4px rgb(130, 186,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5803, 0.2839, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 186, 165) }
```

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

```
.background{ background-color: rgb(130,  
186, 165) }
```

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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