

Converting Colors

$Yxy(42.7438, 0.2853, 0.3927)$

Have a look what the booklet for
Yxy(42.7438, 0.2853, 0.3927)
contains.

Yxy(42.7098, 0.2853, 0.3926)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.7098, 0.2853, 0.3926)

Conversions

Conversions Part 1

Format	Color
Hex	74BE95
RGB	116, 190, 149
RGB Percent	45%, 75%, 58%
CMY	0.5452, 0.2549, 0.4157
CMYK	0.39, 0.00, 0.22, 0.25
HSL	147°, 36%, 60%
HSV	147°, 39%, 75%
XYZ	31.0369, 42.7098, 35.0403
YIQ	163.2000, -30.9430, -28.4390

Conversions

Conversions Part 2

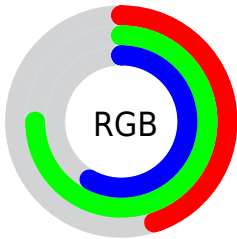
Format	Color
RYB	116, 167, 190
Decimal	7650965
CIELab	71.36, -32.23, 13.56
CIELCh	71, 34.967, 157.183
Yxy	42.7098, 0.2853, 0.3926
Android (android.graphics.Color)	4285841045 (0xFF74BE95)
YUV	163.2000, -7.0006, -41.3944
Hunter-Lab	65.3527, -29.5951, 13.9573

Details

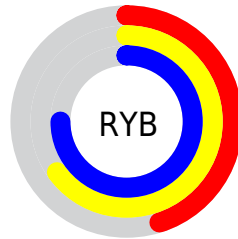
The Yxy color **42.7098, 0.2853, 0.3926** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.8648, 0.3550, 0.2736**, and the grayscale version is **36.7670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4913, 0.2911, 0.3804**, and **19.5469, 0.2764, 0.4137** is the 20% darker color. If you saturate the color by 10%, you get **41.2192, 0.2799, 0.4126**, and if you desaturate by 10%, it is **44.5005, 0.2916, 0.3739**.

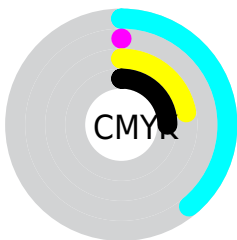
Distribution



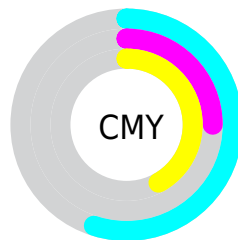
- Red (45%)
- Green (75%)
- Blue (58%)



- Red (45%)
- Yellow (65%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)





- Cyan (55%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7098, 0.2853, 0.3926 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 42.7098, 0.2853, 0.3926 by changing the saturation by 10% instead.


 42.7098, 0.2853,
0.3926

 42.7098, 0.2853,
0.3926


357.4170, 0.2999,
0.3590

 29.6575, 0.2814,
0.4016


 79.2728, 0.2908,
0.3799

 19.5788, 0.2762,
0.4136


 103.5522, 0.2928,
0.3753

 12.0892, 0.2689,
0.4302


 132.3428, 0.2945,
0.3715

 6.8045, 0.2581,
0.4547

166.0289, 0.2959,
0.3682

 3.3401, 0.2405,
0.4945

204.9950, 0.2971,
0.3654

 1.3118, 0.1907,
0.6127

249.6255, 0.2981,

 0.1503, 0.0000,

0.3630

1.0000

300.3046, 0.2990,
0.3609

■ 0.0000, 0.0000,
0.0000

■ 42.7098, 0.2853,
0.3926

■ 42.7098, 0.2853,
0.3926

■ 41.2192, 0.2799,
0.4126

■ 44.5005, 0.2916,
0.3739

■ 40.0064, 0.2759,
0.4337

■ 46.6019, 0.2986,
0.3569

■ 39.0541, 0.2734,
0.4553


■ 49.0303, 0.3060,
0.3414


■ 38.3408, 0.2728,
0.4768


■ 51.7993, 0.3135,
0.3277


■ 37.8415, 0.2742,
0.4975


■ 54.9218, 0.3210,
0.3155


 37.5132, 0.2771,
0.5168

 58.4100, 0.3283,
0.3047

 37.4832, 0.2774,
0.5188

 62.2755, 0.3355,
0.2953

 63.9852, 0.3320,
0.2856

 64.6055, 0.3240,
0.2756

Harmonies

Analogous

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



42.7098, 0.3346, 0.4186



42.7098, 0.2853, 0.3926



42.7098, 0.2454, 0.3451

Triad

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



42.7098, 0.2853, 0.3926



42.7098, 0.2453, 0.2493



42.7098, 0.4104, 0.3485

Complementary

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



42.7098, 0.2853, 0.3926



25.8648, 0.3550, 0.2736

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.



42.7098, 0.3827, 0.3091



42.7098, 0.2853, 0.3926



42.7098, 0.2848, 0.2544

Square

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



42.7098, 0.2853, 0.3926



42.7098, 0.2241, 0.2632



42.7098, 0.3353, 0.2758



42.7098, 0.4088, 0.3868

Rectangle

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



42.7098, 0.2853, 0.3926



42.7098, 0.2288, 0.3118



42.7098, 0.3353, 0.2758



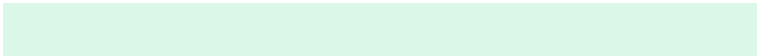
42.7098, 0.4042, 0.3351

Sweetspot

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



42.7116, 0.2853, 0.3926



87.3545, 0.3036, 0.3462



45.3526, 0.3415, 0.4344



19.0526, 0.3026, 0.3482



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.



42.7116, 0.2853, 0.3926



74.9859, 0.2805, 0.4102



44.0476, 0.2623, 0.3361



10.7185, 0.3057, 0.3420



24.9368, 0.2768, 0.5163



0.9900, 0.2636, 0.4689

Inverse Universe

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



25.8648, 0.3550, 0.2736



40.0583, 0.3688, 0.2614



24.8094, 0.4019, 0.3224



9.6224, 0.3204, 0.3164



7.9767, 0.4710, 0.2368



0.3254, 0.4257, 0.2119

Previews

White Background



This preview shows how the Yxy color 42.7098, 0.2853, 0.3926 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 42.7098, 0.2853, 0.3926 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 42.7098, 0.2853, 0.3926

Background



This preview shows how black text looks on a background with the Yxy color 42.7098, 0.2853, 0.3926.

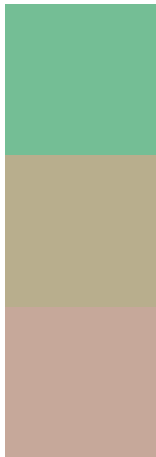


This preview shows how white text looks on a background with the Yxy color 42.7098, 0.2853, 0.3926.

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

42.7098, 0.2853, 0.3926

Protanopia

42.3855, 0.3502, 0.3738

Deuteranopia

42.3441, 0.3536, 0.3473



Tritanopia

42.4562, 0.2599, 0.3075

Trichromacy



Original Color

42.7098, 0.2853, 0.3926

Protanomaly

42.0271, 0.3232, 0.3810

Deuteranomaly

41.6425, 0.3254, 0.3629

Tritanomaly

42.6241, 0.2691, 0.3377

Monochromacy



Original Color

42.7098, 0.2853, 0.3926

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.4668, 0.3012, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7098, 0.2853, 0.3926 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(116, 190, 149)` looks like.

```
.text, #text, p{  
    color:rgb(116, 190, 149)  
}
```

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(116, 190, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 190, 149) }
```

Border

The CSS property to change the border of an element to Yxy 42.7098, 0.2853, 0.3926 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(116, 190, 149) }
```

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

```
.border{ border-color:rgb(116, 190, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 190, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 190, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 190, 149);  
box-shadow:4px 4px 4px 4px rgb(116, 190,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7098, 0.2853, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 190, 149) }
```

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

```
.background{ background-color: rgb(116,  
190, 149) }
```

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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