

Converting Colors

$Yxy(42.7883, 0.2929, 0.4150)$

Have a look what the booklet for
Yxy(42.7883, 0.2929, 0.4150)
contains.

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Color

Yxy(42.6840, 0.2933, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	73BF88
RGB	115, 191, 136
RGB Percent	45%, 75%, 53%
CMY	0.5491, 0.2510, 0.4666
CMYK	0.40, 0.00, 0.29, 0.25
HSL	137°, 37%, 60%
HSV	137°, 40%, 75%
XYZ	30.1450, 42.6840, 29.9497
YIQ	162.0060, -27.6410, -33.2170

Conversions

Conversions Part 2

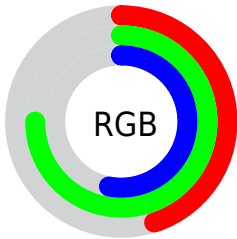
Format	Color
RYB	115, 175, 191
Decimal	7585672
CIELab	71.34, -35.49, 20.52
CIELCh	71, 40.990, 149.964
Yxy	42.6840, 0.2933, 0.4153
Android (android.graphics.Color)	4285775752 (0xFF73BF88)
YUV	162.0060, -12.8210, -41.2243
Hunter-Lab	65.3330, -31.9719, 18.5536

Details

The Yxy color **42.6840, 0.2933, 0.4153** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.2375, 0.3407, 0.2563**, and the grayscale version is **36.2056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3986, 0.2976, 0.3975**, and **19.5873, 0.2859, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **41.1545, 0.2896, 0.4419**, and if you desaturate by 10%, it is **44.5360, 0.2977, 0.3903**.

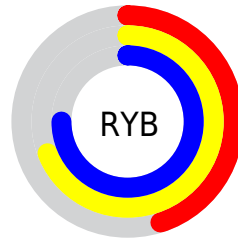
Distribution



Red (45%)

Green (75%)

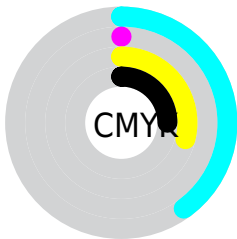
Blue (53%)



Red (45%)

Yellow (69%)

Blue (75%)

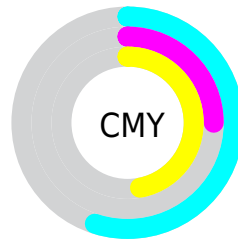


Cyan (40%)

Magenta (0%)

Yellow (29%)

Black (25%)



Cyan (55%)


Magenta (25%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6840, 0.2933, 0.4153 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 42.6840, 0.2933, 0.4153 by changing the saturation by 10% instead.


 42.6840, 0.2933,
0.4153

 42.6840, 0.2933,
0.4153


357.3106, 0.3043,
0.3693


 29.6373, 0.2901,
0.4278


 79.2338, 0.2976,
0.3979

 19.5634, 0.2856,
0.4444


 103.5056, 0.2992,
0.3915

 12.0781, 0.2791,
0.4675


 132.2879, 0.3004,
0.3862

 6.7969, 0.2689,
0.5018

165.9651, 0.3015,
0.3818

 3.3354, 0.2509,
0.5572

204.9216, 0.3023,
0.3780

 1.3092, 0.1998,
0.8002

249.5417, 0.3031,

 0.1483, 0.0000,

0.3747

1.0000

300.2099, 0.3037,
0.3718

0.0000, 0.0000,
0.0000

42.6840, 0.2933,
0.4153

42.6840, 0.2933,
0.4153

41.1545, 0.2896,
0.4419

44.5360, 0.2977,
0.3903

39.9235, 0.2869,
0.4695

46.7222, 0.3026,
0.3675

38.9721, 0.2856,
0.4968


49.2602, 0.3077,
0.3469


38.2772, 0.2858,
0.5227


52.1648, 0.3128,
0.3287


37.8114, 0.2875,
0.5458


55.4501, 0.3179,
0.3126

 37.5241, 0.2903,
0.5650

 59.1292, 0.3227,
0.2986

 37.5190, 0.2904,
0.5653

 63.2148, 0.3273,
0.2864

 65.2110, 0.3218,
0.2740

 65.7434, 0.3157,
0.2663

Harmonies

Analogous

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



42.6840, 0.3510, 0.4368



42.6840, 0.2933, 0.4153



42.6840, 0.2436, 0.3622

Triad

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



42.6840, 0.2933, 0.4153



42.6840, 0.2267, 0.2385



42.6840, 0.4225, 0.3392

Complementary

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



42.6840, 0.2933, 0.4153



26.2375, 0.3407, 0.2563

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.



42.6840, 0.3828, 0.2954



42.6840, 0.2933, 0.4153



42.6840, 0.2672, 0.2399

Square

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



42.6840, 0.2933, 0.4153



42.6840, 0.2083, 0.2592



42.6840, 0.3241, 0.2602



42.6840, 0.4285, 0.3845

Rectangle

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



42.6840, 0.2933, 0.4153



42.6840, 0.2211, 0.3216



42.6840, 0.3241, 0.2602



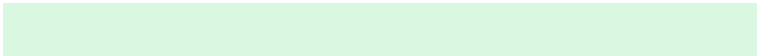
42.6840, 0.4126, 0.3241

Sweetspot

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



42.6858, 0.2933, 0.4153



87.0745, 0.3065, 0.3516



47.1291, 0.3533, 0.4329



18.9853, 0.3058, 0.3543



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.



42.6858, 0.2933, 0.4153



73.9632, 0.2899, 0.4391



43.9351, 0.2692, 0.3555



10.6919, 0.3079, 0.3460



24.6678, 0.2897, 0.5630



0.9778, 0.2757, 0.5125

Inverse Universe

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



26.2375, 0.3407, 0.2563



40.3197, 0.3492, 0.2408



25.0221, 0.3877, 0.3048



9.6500, 0.3179, 0.3125



8.5023, 0.4047, 0.2003



0.3436, 0.3804, 0.1869

Previews

White Background



This preview shows how the Yxy color 42.6840, 0.2933, 0.4153 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 42.6840, 0.2933, 0.4153 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 42.6840, 0.2933, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 42.6840, 0.2933, 0.4153.



This preview shows how white text looks on a background with the Yxy color 42.6840, 0.2933, 0.4153.

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

42.6840, 0.2933, 0.4153

Protanopia

42.3954, 0.3645, 0.3909

Deuteranopia

42.1171, 0.3700, 0.3626



Tritanopia

42.5334, 0.2605, 0.3075

Trichromacy



Original Color

42.6840, 0.2933, 0.4153

Protanomaly

41.8583, 0.3355, 0.3999

Deuteranomaly

41.4608, 0.3382, 0.3814

Tritanomaly

42.4239, 0.2724, 0.3453

Monochromacy



Original Color

42.6840, 0.2933, 0.4153

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.2068, 0.3043, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6840, 0.2933, 0.4153 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(115, 191, 136)` looks like.

```
.text, #text, p{  
    color:rgb(115, 191, 136)  
}
```

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(115, 191, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 191, 136) }
```

Border

The CSS property to change the border of an element to Yxy 42.6840, 0.2933, 0.4153 is called "border". The border property can be set on classes, ids or directly on the HTML element.

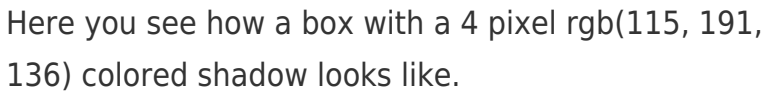
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 191, 136) }
```

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

```
.border{ border-color:rgb(115, 191, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 191, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 191, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 191, 136); box-shadow:4px 4px 4px 4px rgb(115, 191, 136) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6840, 0.2933, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 191, 136) }
```

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

```
.background{ background-color: rgb(115,  
191, 136) }
```

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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