

Converting Colors

$Yxy(42.0827, 0.2935, 0.4109)$

Have a look what the booklet for
Yxy(42.0827, 0.2935, 0.4109)
contains.

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Color

Yxy(41.9143, 0.2933, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	74BD89
RGB	116, 189, 137
RGB Percent	45%, 74%, 54%
CMY	0.5449, 0.2588, 0.4628
CMYK	0.39, 0.00, 0.28, 0.26
HSL	137°, 36%, 60%
HSV	137°, 39%, 74%
XYZ	29.9184, 41.9143, 30.1734
YIQ	161.2450, -26.8160, -31.6480

Conversions

Conversions Part 2

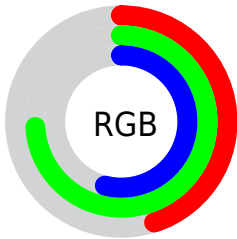
Format	Color
RYB	116, 173, 189
Decimal	7650697
CIELab	70.81, -34.07, 19.28
CIElCh	71, 39.145, 150.487
Yxy	41.9143, 0.2933, 0.4109
Android (android.graphics.Color)	4285840777 (0xFF74BD89)
YUV	161.2450, -11.9528, -39.6799
Hunter-Lab	64.7413, -30.8083, 17.6861

Details

The Yxy color **41.9143, 0.2933, 0.4109** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.1484, 0.3405, 0.2595**, and the grayscale version is **35.8309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3310, 0.2976, 0.3941**, and **19.0728, 0.2855, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **40.3865, 0.2894, 0.4370**, and if you desaturate by 10%, it is **43.7574, 0.2979, 0.3866**.

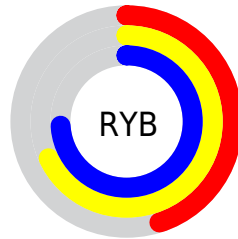
Distribution



Red (45%)

Green (74%)

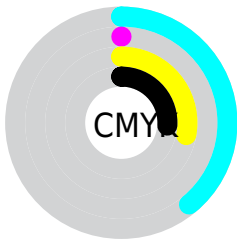
Blue (54%)



Red (45%)

Yellow (68%)

Blue (74%)

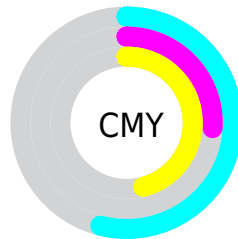


Cyan (39%)

Magenta (0%)

Yellow (28%)

Black (26%)



Cyan (54%)


Magenta (26%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9143, 0.2933, 0.4109 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 41.9143, 0.2933, 0.4109 by changing the saturation by 10% instead.


 41.9143, 0.2933,
0.4109


 41.9143, 0.2933,
0.4109

354.1276, 0.3042,
0.3672

 29.0342, 0.2901,
0.4228


 78.0699, 0.2976,
0.3943

 19.1067, 0.2858,
0.4386


 102.1142, 0.2991,
0.3883

 11.7474, 0.2794,
0.4607


 130.6487, 0.3003,
0.3833

 6.5719, 0.2694,
0.4936

164.0577, 0.3014,
0.3791

 3.1959, 0.2519,
0.5471

202.7257, 0.3023,
0.3754

 1.2348, 0.1986,
0.8014

247.0371, 0.3030,

 0.0899, 0.0000,

0.3723

1.0000

297.3763, 0.3037,
0.3696

0.0000, 0.0000,
0.0000

41.9143, 0.2933,
0.4109

41.9143, 0.2933,
0.4109

40.3865, 0.2894,
0.4370

43.7574, 0.2979,
0.3866

39.1510, 0.2865,
0.4640

45.9269, 0.3029,
0.3643

38.1896, 0.2850,
0.4912


48.4399, 0.3082,
0.3444

37.4803, 0.2850,
0.5171


51.3106, 0.3134,
0.3267


36.9972, 0.2865,
0.5405

54.5526, 0.3186,
0.3111

 36.6984, 0.2893,
0.5604

 58.1784, 0.3236,
0.2975

 36.6632, 0.2897,
0.5629

 62.2003, 0.3283,
0.2856

 64.2338, 0.3233,
0.2736

 64.8745, 0.3157,
0.2644

Harmonies

Analogous

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



41.9143, 0.3489, 0.4323



41.9143, 0.2933, 0.4109



41.9143, 0.2456, 0.3599

Triad

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



41.9143, 0.2933, 0.4109



41.9143, 0.2303, 0.2416



41.9143, 0.4186, 0.3399

Complementary

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



41.9143, 0.2933, 0.4109



26.1484, 0.3405, 0.2595

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.



41.9143, 0.3810, 0.2974



41.9143, 0.2933, 0.4109



41.9143, 0.2698, 0.2431

Square

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



41.9143, 0.2933, 0.4109



41.9143, 0.2120, 0.2614



41.9143, 0.3248, 0.2631



41.9143, 0.4239, 0.3836

Rectangle

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



41.9143, 0.2933, 0.4109



41.9143, 0.2240, 0.3212



41.9143, 0.3248, 0.2631



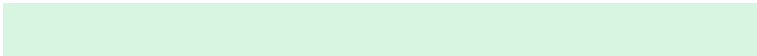
41.9143, 0.4092, 0.3253

Sweetspot

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



41.9160, 0.2933, 0.4109



85.0692, 0.3063, 0.3513



46.0172, 0.3510, 0.4300



18.1665, 0.3056, 0.3538



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.



41.9160, 0.2933, 0.4109



72.8039, 0.2901, 0.4320



43.1349, 0.2695, 0.3526



10.6935, 0.3078, 0.3458



24.6803, 0.2891, 0.5607



0.9785, 0.2749, 0.5098

Inverse Universe

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



26.1484, 0.3405, 0.2595



40.7088, 0.3484, 0.2453



24.9810, 0.3860, 0.3072



9.6483, 0.3180, 0.3128



8.4652, 0.4085, 0.2024



0.3424, 0.3830, 0.1883

Previews

White Background



This preview shows how the Yxy color 41.9143, 0.2933, 0.4109 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 41.9143, 0.2933, 0.4109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

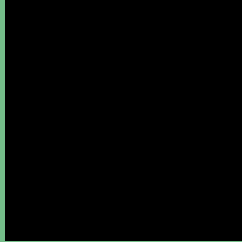
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9143, 0.2933, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 41.9143, 0.2933, 0.4109.



This preview shows how white text looks on a background with the Yxy color 41.9143, 0.2933, 0.4109.

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

41.9143, 0.2933, 0.4109

Protanopia

41.4043, 0.3624, 0.3875

Deuteranopia

41.5048, 0.3675, 0.3602



Tritanopia

41.7004, 0.2620, 0.3074

Trichromacy



Original Color

41.9143, 0.2933, 0.4109



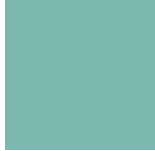
Protanomaly

40.9803, 0.3342, 0.3960



Deuteranomaly

40.6006, 0.3368, 0.3774



Tritanomaly

41.6612, 0.2727, 0.3423

Monochromacy



Original Color

41.9143, 0.2933, 0.4109



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.4126, 0.3051, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9143, 0.2933, 0.4109 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, 189, 137)` looks like.

```
.text, #text, p{  
    color:rgb(116, 189, 137)  
}
```

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, 189, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 189, 137) }
```

Border

The CSS property to change the border of an element to Yxy 41.9143, 0.2933, 0.4109 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, 189, 137) }
```

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

```
.border{ border-color:rgb(116, 189, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 189, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 189, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 189, 137);  
box-shadow:4px 4px 4px 4px rgb(116, 189,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9143, 0.2933, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 189, 137) }
```

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

```
.background{ background-color: rgb(116,  
189, 137) }
```

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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