

Converting Colors

$Yxy(41.7247, 0.2935, 0.4068)$

Have a look what the booklet for
Yxy(41.7247, 0.2935, 0.4068)
contains.

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Color

Yxy(41.6821, 0.2933, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	76BC8B
RGB	118, 188, 139
RGB Percent	46%, 74%, 55%
CMY	0.5371, 0.2628, 0.4548
CMYK	0.37, 0.00, 0.26, 0.26
HSL	138°, 34%, 60%
HSV	138°, 37%, 74%
XYZ	30.1191, 41.6821, 30.8893
YIQ	161.4840, -25.9910, -30.0790

Conversions

Conversions Part 2

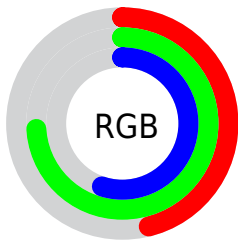
Format	Color
RYB	118, 172, 188
Decimal	7781515
CIELab	70.65, -32.61, 17.98
CIELCh	71, 37.243, 151.128
Yxy	41.6821, 0.2933, 0.4059
Android (android.graphics.Color)	4285971595 (0xFF76BC8B)
YUV	161.4840, -11.0846, -38.1355
Hunter-Lab	64.5617, -29.7096, 16.8261

Details

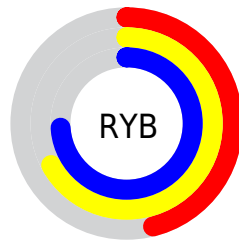
The Yxy color **41.6821, 0.2933, 0.4059** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.4475, 0.3402, 0.2631**, and the grayscale version is **35.9444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9257, 0.2971, 0.3904**, and **18.8953, 0.2853, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **40.1337, 0.2892, 0.4313**, and if you desaturate by 10%, it is **43.5426, 0.2981, 0.3823**.

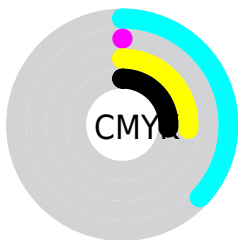
Distribution



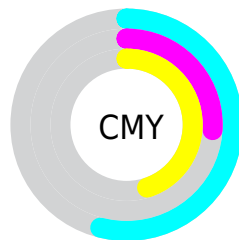
- Red (46%)
- Green (74%)
- Blue (55%)



- Red (46%)
- Yellow (67%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (26%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6821, 0.2933, 0.4059 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 41.6821, 0.2933, 0.4059 by changing the saturation by 10% instead.


 41.6821, 0.2933,
0.4059


 41.6821, 0.2933,
0.4059


353.1634, 0.3041,
0.3649


 28.8525, 0.2902,
0.4170


 77.7183, 0.2975,
0.3904

 18.9692, 0.2859,
0.4319


 101.6936, 0.2990,
0.3847

 11.6480, 0.2798,
0.4526


 130.1529, 0.3002,
0.3800

 6.5045, 0.2702,
0.4834


163.4806, 0.3013,
0.3761

 3.1542, 0.2535,
0.5337

202.0611, 0.3022,
0.3727

 1.2128, 0.2075,
0.7754

246.2788, 0.3029,

 0.0721, 0.0000,

0.3697

1.0000

296.5181, 0.3036,
0.3671

0.0000, 0.0000,
0.0000

41.6821, 0.2933,
0.4059

41.6821, 0.2933,
0.4059

40.1337, 0.2892,
0.4313

43.5426, 0.2981,
0.3823

38.8750, 0.2860,
0.4578

45.7259, 0.3034,
0.3608

37.8886, 0.2842,
0.4846


48.2486, 0.3088,
0.3415

37.1530, 0.2839,
0.5105


51.1246, 0.3142,
0.3245

36.6435, 0.2853,
0.5342

54.3670, 0.3196,
0.3094

 36.3256, 0.2881,
0.5547

 57.9882, 0.3247,
0.2963

 36.2543, 0.2888,
0.5598

 62.0000, 0.3296,
0.2849

 63.7759, 0.3237,
0.2731

 64.4451, 0.3158,
0.2634

Harmonies

Analogous

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



41.6821, 0.3464, 0.4272



41.6821, 0.2933, 0.4059



41.6821, 0.2478, 0.3573

Triad

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



41.6821, 0.2933, 0.4059



41.6821, 0.2344, 0.2452



41.6821, 0.4140, 0.3407

Complementary

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



41.6821, 0.2933, 0.4059



26.4475, 0.3402, 0.2631

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.



41.6821, 0.3788, 0.2997



41.6821, 0.2933, 0.4059



41.6821, 0.2729, 0.2469

Square

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



41.6821, 0.2933, 0.4059



41.6821, 0.2164, 0.2640



41.6821, 0.3256, 0.2664



41.6821, 0.4186, 0.3825

Rectangle

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



41.6821, 0.2933, 0.4059



41.6821, 0.2274, 0.3207



41.6821, 0.3256, 0.2664



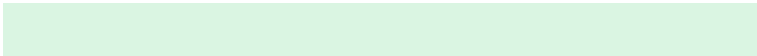
41.6821, 0.4053, 0.3266

Sweetspot

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



41.6838, 0.2933, 0.4059



85.5576, 0.3066, 0.3489



45.6181, 0.3498, 0.4262



18.2651, 0.3059, 0.3515



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.



41.6838, 0.2933, 0.4059



73.1199, 0.2897, 0.4274



42.8302, 0.2708, 0.3516



10.6955, 0.3076, 0.3455



24.6964, 0.2882, 0.5576



0.9793, 0.2740, 0.5064

Inverse Universe

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



26.4475, 0.3402, 0.2631



41.3460, 0.3488, 0.2484



25.3557, 0.3823, 0.3080



9.6462, 0.3182, 0.3131



8.4202, 0.4132, 0.2050



0.3409, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 41.6821, 0.2933, 0.4059 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 41.6821, 0.2933, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

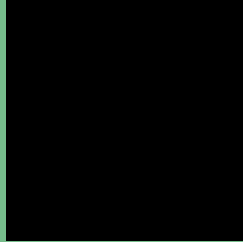
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6821, 0.2933, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 41.6821, 0.2933, 0.4059.



This preview shows how white text looks on a background with the Yxy color 41.6821, 0.2933, 0.4059.

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

41.6821, 0.2933, 0.4059

Protanopia

41.3613, 0.3588, 0.3836

Deuteranopia

40.9297, 0.3639, 0.3566



Tritanopia

41.7337, 0.2633, 0.3089

Trichromacy



Original Color

41.6821, 0.2933, 0.4059

Protanomaly

41.0636, 0.3318, 0.3916

Deuteranomaly

40.2752, 0.3353, 0.3732

Tritanomaly

41.8117, 0.2741, 0.3423

Monochromacy



Original Color

41.6821, 0.2933, 0.4059

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.4455, 0.3043, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6821, 0.2933, 0.4059 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(118, 188, 139)` looks like.

```
.text, #text, p{  
    color:rgb(118, 188, 139)  
}
```

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(118, 188, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 188, 139) }
```

Border

The CSS property to change the border of an element to Yxy 41.6821, 0.2933, 0.4059 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(118, 188, 139) }
```

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

```
.border{ border-color:rgb(118, 188, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 188, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 188, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 188, 139); box-shadow:4px 4px 4px 4px rgb(118, 188, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6821, 0.2933, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 188, 139) }
```

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

```
.background{ background-color: rgb(118,  
188, 139) }
```

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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