

Converting Colors

$Yxy(41.7353, 0.2952, 0.4176)$

Have a look what the booklet for
Yxy(41.7353, 0.2952, 0.4176)
contains.

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Color

Yxy(41.7335, 0.2952, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	73BD85
RGB	115, 189, 133
RGB Percent	45%, 74%, 52%
CMY	0.5491, 0.2588, 0.4783
CMYK	0.39, 0.00, 0.30, 0.26
HSL	135°, 36%, 60%
HSV	135°, 39%, 74%
XYZ	29.5013, 41.7335, 28.7018
YIQ	160.4900, -26.1280, -33.1040

Conversions

Conversions Part 2

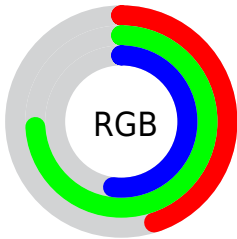
Format	Color
RYB	115, 175, 189
Decimal	7585157
CIELab	70.69, -35.11, 21.22
CIELCh	71, 41.030, 148.851
Yxy	41.7335, 0.2952, 0.4176
Android (android.graphics.Color)	4285775237 (0xFF73BD85)
YUV	160.4900, -13.5526, -39.8947
Hunter-Lab	64.6015, -31.5378, 18.8791

Details

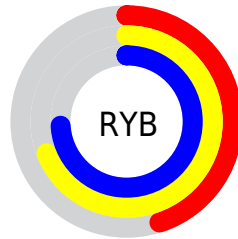
The Yxy color **41.7335, 0.2952, 0.4176** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.0153, 0.3372, 0.2546**, and the grayscale version is **35.4648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0028, 0.2997, 0.4004**, and **18.9766, 0.2881, 0.4477** is the 20% darker color. If you saturate the color by 10%, you get **40.2142, 0.2917, 0.4453**, and if you desaturate by 10%, it is **43.5727, 0.2993, 0.3916**.

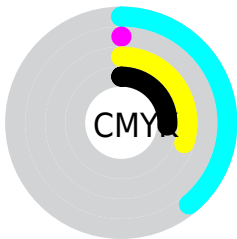
Distribution



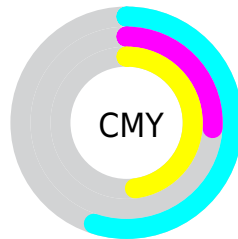
- Red (45%)
- Green (74%)
- Blue (52%)



- Red (45%)
- Yellow (69%)
- Blue (74%)



- Cyan (39%)
- Magenta (0%)
- Yellow (30%)
- Black (26%)





- Cyan (55%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7335, 0.2952, 0.4176 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 41.7335, 0.2952, 0.4176 by changing the saturation by 10% instead.


 41.7335, 0.2952,
0.4176

 41.7335, 0.2952,
0.4176

353.3770, 0.3053,
0.3701

 28.8927, 0.2922,
0.4305


 77.7961, 0.2993,
0.3996

 18.9996, 0.2879,
0.4478


 101.7867, 0.3007,
0.3930

 11.6700, 0.2816,
0.4719


 130.2627, 0.3018,
0.3876

 6.5194, 0.2715,
0.5078

163.6084, 0.3028,
0.3830

 3.1634, 0.2533,
0.5660

202.2083, 0.3036,
0.3791

 1.2176, 0.1800,
0.8200

246.4468, 0.3042,

 0.0760, 0.0000,

0.3757

1.0000

296.7082, 0.3048,
0.3727

■ 0.0000, 0.0000,
0.0000

■ 41.7335, 0.2952,
0.4176

■ 41.7335, 0.2952,
0.4176

■ 40.2142, 0.2917,
0.4453

■ 43.5727, 0.2993,
0.3916

■ 38.9912, 0.2892,
0.4739

■ 45.7435, 0.3038,
0.3678

■ 38.0461, 0.2879,
0.5022


■ 48.2631, 0.3084,
0.3464

■ 37.3560, 0.2880,
0.5287

■ 51.1462, 0.3131,
0.3275


■ 36.8942, 0.2895,
0.5519


■ 54.4066, 0.3176,
0.3109

 36.6150, 0.2921,
0.5708

 58.0573, 0.3220,
0.2964

 36.5952, 0.2923,
0.5721

 62.1108, 0.3261,
0.2838

 64.3953, 0.3214,
0.2713

 64.8773, 0.3157,
0.2644

Harmonies

Analogous

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



41.7335, 0.3534, 0.4378



41.7335, 0.2952, 0.4176



41.7335, 0.2446, 0.3648

Triad

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



41.7335, 0.2952, 0.4176



41.7335, 0.2249, 0.2382



41.7335, 0.4225, 0.3375

Complementary

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



41.7335, 0.2952, 0.4176



26.0153, 0.3372, 0.2546

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.



41.7335, 0.3814, 0.2936



41.7335, 0.2952, 0.4176



41.7335, 0.2650, 0.2388

Square

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



41.7335, 0.2952, 0.4176



41.7335, 0.2072, 0.2599



41.7335, 0.3219, 0.2587



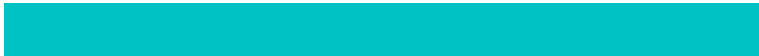
41.7335, 0.4299, 0.3832

Rectangle

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



41.7335, 0.2952, 0.4176



41.7335, 0.2214, 0.3237



41.7335, 0.3219, 0.2587



41.7335, 0.4121, 0.3223

Sweetspot

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



41.7352, 0.2952, 0.4176



85.0007, 0.3070, 0.3527



46.3751, 0.3549, 0.4303



18.1505, 0.3064, 0.3554



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.



41.7352, 0.2952, 0.4176



72.3712, 0.2922, 0.4413



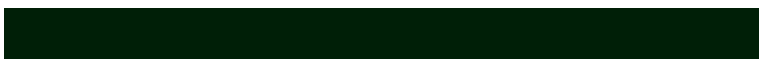
42.9154, 0.2713, 0.3588



10.6868, 0.3084, 0.3468



24.6314, 0.2917, 0.5701



0.9756, 0.2782, 0.5214

Inverse Universe

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



26.0153, 0.3372, 0.2546



40.2702, 0.3444, 0.2390



24.8182, 0.3827, 0.3018



9.6554, 0.3174, 0.3118



8.6244, 0.3931, 0.1939



0.3476, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 41.7335, 0.2952, 0.4176 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 41.7335, 0.2952, 0.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

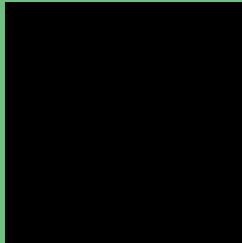
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7335, 0.2952, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 41.7335, 0.2952, 0.4176.

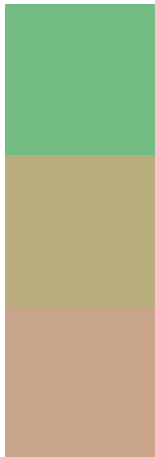


This preview shows how white text looks on a background with the Yxy color 41.7335, 0.2952, 0.4176.

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

41.7335, 0.2952, 0.4176

Protanopia

41.3000, 0.3659, 0.3929

Deuteranopia

41.0246, 0.3716, 0.3642



Tritanopia

41.6225, 0.2614, 0.3074

Trichromacy



Original Color

41.7335, 0.2952, 0.4176

Protanomaly

40.8729, 0.3374, 0.4019

Deuteranomaly

40.4847, 0.3402, 0.3832

Tritanomaly

41.5091, 0.2734, 0.3454

Monochromacy



Original Color

41.7335, 0.2952, 0.4176

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.2571, 0.3059, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7335, 0.2952, 0.4176 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, 189, 133)` looks like.

```
.text, #text, p{  
    color:rgb(115, 189, 133)  
}
```

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, 189, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 189, 133) }
```

Border

The CSS property to change the border of an element to Yxy 41.7335, 0.2952, 0.4176 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, 189, 133) }
```

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

```
.border{ border-color:rgb(115, 189, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 189, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 189, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 189, 133);  
box-shadow:4px 4px 4px 4px rgb(115, 189,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7335, 0.2952, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 189, 133) }
```

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

```
.background{ background-color: rgb(115,  
189, 133) }
```

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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