

Converting Colors

$Yxy(40.8789, 0.2952, 0.4150)$

Have a look what the booklet for
Yxy(40.8789, 0.2952, 0.4150)
contains.

Yxy(40.8789, 0.2952, 0.4150)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8789, 0.2952, 0.4150)

Conversions

Conversions Part 1

Format	Color
Hex	73BB85
RGB	115, 187, 133
RGB Percent	45%, 73%, 52%
CMY	0.5488, 0.2667, 0.4784
CMYK	0.38, 0.00, 0.29, 0.27
HSL	135°, 35%, 59%
HSV	135°, 38%, 73%
XYZ	29.0782, 40.8789, 28.5463
YIQ	159.3160, -25.5780, -32.0580

Conversions

Conversions Part 2

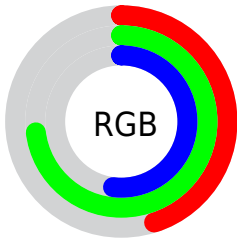
Format	Color
RYB	115, 173, 187
Decimal	7584645
CIELab	70.09, -34.17, 20.43
CIELCh	70, 39.813, 149.130
Yxy	40.8789, 0.2952, 0.4150
Android (android.graphics.Color)	4285774725 (0xFF73BB85)
YUV	159.3160, -12.9738, -38.8651
Hunter-Lab	63.9366, -30.7078, 18.2840

Details

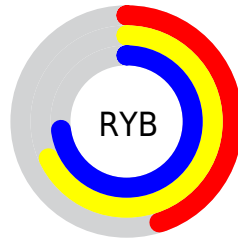
The Yxy color **40.8789, 0.2952, 0.4150** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.7025, 0.3372, 0.2564**, and the grayscale version is **34.8975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6816, 0.2991, 0.3984**, and **18.4237, 0.2878, 0.4443** is the 20% darker color. If you saturate the color by 10%, you get **39.3759, 0.2916, 0.4424**, and if you desaturate by 10%, it is **42.6943, 0.2994, 0.3894**.

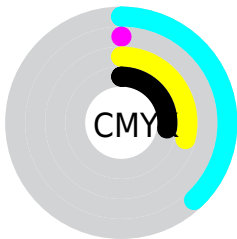
Distribution



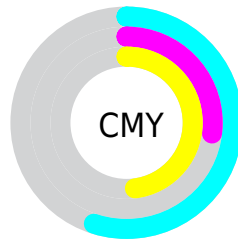
- Red (45%)
- Green (73%)
- Blue (52%)



- Red (45%)
- Yellow (68%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (29%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8789, 0.2952, 0.4150 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 40.8789, 0.2952, 0.4150 by changing the saturation by 10% instead.


 40.8789, 0.2952,
0.4150


 40.8789, 0.2952,
0.4150


349.8142, 0.3053,
0.3688

 28.2245, 0.2922,
0.4276


 76.5000, 0.2992,
0.3974

 18.4949, 0.2879,
0.4445


 100.2355, 0.3006,
0.3911

 11.3059, 0.2817,
0.4682


 128.4335, 0.3018,
0.3858

 6.2730, 0.2717,
0.5035

161.4783, 0.3027,
0.3813

 3.0118, 0.2535,
0.5613

199.7544, 0.3035,
0.3775

 1.1379, 0.1667,
0.8333

243.6462, 0.3042,

 0.0101, 0.0000,

0.3742

1.0000

293.5380, 0.3048,
0.3714

■ 0.0000, 0.0000,
0.0000

■ 40.8789, 0.2952,
0.4150

■ 40.8789, 0.2952,
0.4150

■ 39.3759, 0.2916,
0.4424

■ 42.6943, 0.2994,
0.3894

■ 38.1626, 0.2890,
0.4707

■ 44.8332, 0.3040,
0.3659

■ 37.2210, 0.2876,
0.4989

■ 47.3125, 0.3087,
0.3449


■ 36.5292, 0.2876,
0.5255


■ 50.1463, 0.3134,
0.3263

■ 36.0617, 0.2890,
0.5490

■ 53.3480, 0.3180,
0.3100


 35.7777, 0.2916,
0.5683

 56.9301, 0.3225,
0.2957

 35.7418, 0.2919,
0.5709

 60.9048, 0.3266,
0.2833

 63.4085, 0.3231,
0.2712

 64.0193, 0.3158,
0.2624

Harmonies

Analogous

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



40.8789, 0.3521, 0.4352



40.8789, 0.2952, 0.4150



40.8789, 0.2457, 0.3634

Triad

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



40.8789, 0.2952, 0.4150



40.8789, 0.2270, 0.2400



40.8789, 0.4202, 0.3379

Complementary

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



40.8789, 0.2952, 0.4150



25.7025, 0.3372, 0.2564

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.



40.8789, 0.3803, 0.2948



40.8789, 0.2952, 0.4150



40.8789, 0.2665, 0.2407

Square

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



40.8789, 0.2952, 0.4150



40.8789, 0.2094, 0.2611



40.8789, 0.3223, 0.2603



40.8789, 0.4272, 0.3827

Rectangle

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



40.8789, 0.2952, 0.4150



40.8789, 0.2231, 0.3234



40.8789, 0.3223, 0.2603



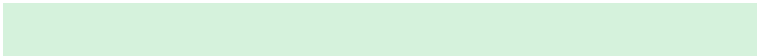
40.8789, 0.4101, 0.3230

Sweetspot

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



40.8806, 0.2952, 0.4150



83.0165, 0.3069, 0.3525



45.3474, 0.3542, 0.4284



18.1526, 0.3063, 0.3552



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.



40.8806, 0.2952, 0.4150



70.9536, 0.2922, 0.4375



42.0073, 0.2720, 0.3582



10.6876, 0.3083, 0.3467



24.6373, 0.2914, 0.5689



0.9759, 0.2777, 0.5198

Inverse Universe

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



25.7025, 0.3372, 0.2564



39.9824, 0.3441, 0.2414



24.5639, 0.3808, 0.3023



9.6545, 0.3175, 0.3119



8.6029, 0.3951, 0.1950



0.3469, 0.3738, 0.1833

Previews

White Background



This preview shows how the Yxy color 40.8789, 0.2952, 0.4150 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 40.8789, 0.2952, 0.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

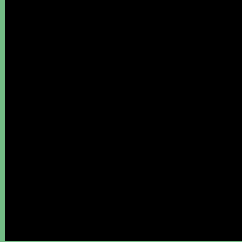
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8789, 0.2952, 0.4150

Background



This preview shows how black text looks on a background with the Yxy color 40.8789, 0.2952, 0.4150.



This preview shows how white text looks on a background with the Yxy color 40.8789, 0.2952, 0.4150.

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

40.8789, 0.2952, 0.4150

Protanopia

40.3231, 0.3639, 0.3895

Deuteranopia

40.3917, 0.3700, 0.3632



Tritanopia

40.7244, 0.2622, 0.3072

Trichromacy



Original Color

40.8789, 0.2952, 0.4150

Protanomaly

39.9047, 0.3352, 0.3983

Deuteranomaly

39.6075, 0.3398, 0.3807

Tritanomaly

40.6454, 0.2737, 0.3440

Monochromacy



Original Color

40.8789, 0.2952, 0.4150

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.4176, 0.3051, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8789, 0.2952, 0.4150 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, 187, 133)` looks like.

```
.text, #text, p{  
    color:rgb(115, 187, 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, 187, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 187, 133) }
```

Border

The CSS property to change the border of an element to Yxy 40.8789, 0.2952, 0.4150 is called "border". The border property can be set on classes, ids or directly on the HTML element.

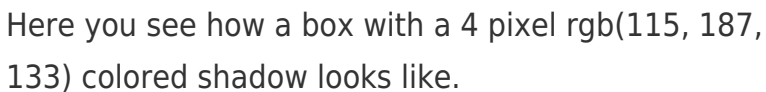
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 187, 133) }
```

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

```
.border{ border-color:rgb(115, 187, 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, 187, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 187, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 187, 133); box-shadow:4px 4px 4px 4px rgb(115, 187, 133) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8789, 0.2952, 0.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 187, 133) }
```

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

```
.background{ background-color: rgb(115,  
187, 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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