

Converting Colors

$Yxy(40.4595, 0.2748, 0.4130)$

Have a look what the booklet for
Yxy(40.4595, 0.2748, 0.4130)
contains.

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Color

Yxy(40.3049, 0.2749, 0.4133)

Conversions

Conversions Part 1

Format	Color
Hex	58BD8A
RGB	88, 189, 138
RGB Percent	35%, 74%, 54%
CMY	0.6549, 0.2588, 0.4589
CMYK	0.53, 0.00, 0.27, 0.26
HSL	150°, 43%, 54%
HSV	150°, 53%, 74%
XYZ	26.8082, 40.3049, 30.4066
YIQ	152.9870, -43.8250, -37.2730

Conversions

Conversions Part 2

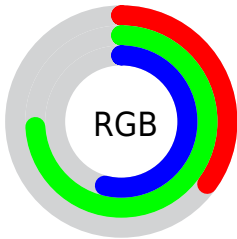
Format	Color
RYB	88, 156, 189
Decimal	5815690
CIELab	69.69, -41.43, 17.01
CIELCh	70, 44.788, 157.683
Yxy	40.3049, 0.2749, 0.4133
Android (android.graphics.Color)	4284005770 (0xFF58BD8A)
YUV	152.9870, -7.3886, -56.9936
Hunter-Lab	63.4861, -35.7259, 16.0434

Details

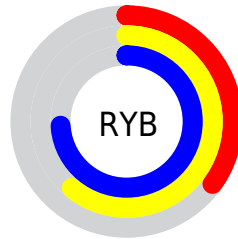
The Yxy color **40.3049, 0.2749, 0.4133** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.6621, 0.3860, 0.2605**, and the grayscale version is **31.8958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7370, 0.2827, 0.3955**, and **18.2147, 0.2618, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **39.2363, 0.2711, 0.4327**, and if you desaturate by 10%, it is **41.6401, 0.2802, 0.3947**.

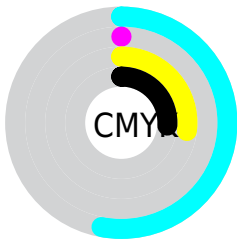
Distribution



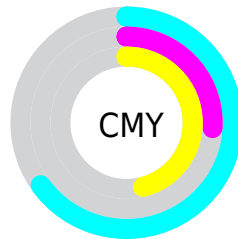
- Red (35%)
- Green (74%)
- Blue (54%)



- Red (35%)
- Yellow (61%)
- Blue (74%)



- Cyan (53%)
- Magenta (0%)
- Yellow (27%)
- Black (26%)





- Cyan (65%)
- Magenta (26%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3049, 0.2749, 0.4133 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 40.3049, 0.2749, 0.4133 by changing the saturation by 10% instead.


 40.3049, 0.2749,
0.4133


 40.3049, 0.2749,
0.4133


347.4070, 0.2953,
0.3679

 27.7764, 0.2693,
0.4258


 75.6276, 0.2827,
0.3960


 18.1571, 0.2617,
0.4426


 99.1905, 0.2855,
0.3897

 11.0629, 0.2510,
0.4662


 127.2003, 0.2879,
0.3845

 6.1091, 0.2348,
0.5018

 160.0415, 0.2898,
0.3801

 2.9116, 0.2079,
0.5608

198.0983, 0.2915,
0.3764

 1.0857, 0.0071,
0.9929

241.7553, 0.2930,

 0.0000, 0.0000,

0.3732

0.0000

291.3967, 0.2942,
0.3703

■ 40.3049, 0.2749,
0.4133

■ 40.3049, 0.2749,
0.4133

■ 39.2363, 0.2711,
0.4327

■ 41.6401, 0.2802,
0.3947

■ 38.4100, 0.2691,
0.4525

■ 43.2546, 0.2866,
0.3772

■ 37.8051, 0.2691,
0.4721

■ 45.1658, 0.2939,
0.3611

■ 37.3949, 0.2710,
0.4909

■ 47.3884, 0.3017,
0.3464

■ 37.1976, 0.2730,
0.5027

■ 49.9362, 0.3099,
0.3332

■ 52.8220, 0.3181,
0.3215

■ 56.0581, 0.3263,
0.3111

■ 59.6558, 0.3343,
0.3019

■ 63.0339, 0.3395,
0.2936

Harmonies

Analogous

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



40.3049, 0.3379, 0.4479



40.3049, 0.2749, 0.4133



40.3049, 0.2252, 0.3479

Triad

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



40.3049, 0.2749, 0.4133



40.3049, 0.2271, 0.2277



40.3049, 0.4406, 0.3521

Complementary

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



40.3049, 0.2749, 0.4133



19.6621, 0.3860, 0.2605

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.



40.3049, 0.4051, 0.3032



40.3049, 0.2749, 0.4133



40.3049, 0.2769, 0.2351

Square

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



40.3049, 0.2749, 0.4133



40.3049, 0.2007, 0.2432



40.3049, 0.3425, 0.2620



40.3049, 0.4363, 0.4010

Rectangle

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



40.3049, 0.2749, 0.4133



40.3049, 0.2053, 0.3037



40.3049, 0.3425, 0.2620



40.3049, 0.4329, 0.3354

Sweetspot

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



40.3065, 0.2749, 0.4133



83.6903, 0.2995, 0.3504



42.6933, 0.3448, 0.4778



17.8184, 0.2979, 0.3534



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.



40.3065, 0.2749, 0.4133



70.0060, 0.2707, 0.4358



42.0735, 0.2459, 0.3314



10.7263, 0.3050, 0.3408



25.0415, 0.2723, 0.5004



0.9941, 0.2600, 0.4559

Inverse Universe

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



19.6621, 0.3860, 0.2605



29.1765, 0.4108, 0.2493



18.5305, 0.4646, 0.3272



9.6146, 0.3211, 0.3175



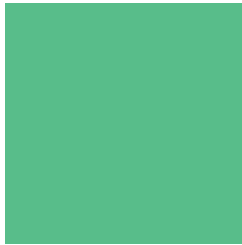
7.8562, 0.4913, 0.2480



0.3209, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 40.3049, 0.2749, 0.4133 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 40.3049, 0.2749, 0.4133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

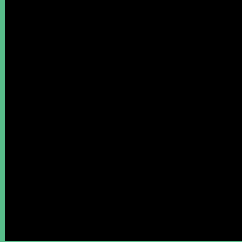
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3049, 0.2749, 0.4133

Background



This preview shows how black text looks on a background with the Yxy color 40.3049, 0.2749, 0.4133.



This preview shows how white text looks on a background with the Yxy color 40.3049, 0.2749, 0.4133.

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

40.3049, 0.2749, 0.4133

Protanopia

39.7847, 0.3596, 0.3845

Deuteranopia

39.6773, 0.3606, 0.3543



Tritanopia

40.0365, 0.2474, 0.3066

Trichromacy



Original Color

40.3049, 0.2749, 0.4133



Protanomaly

38.9197, 0.3227, 0.3959



Deuteranomaly

38.4266, 0.3224, 0.3737



Tritanomaly

40.0288, 0.2572, 0.3428

Monochromacy



Original Color

40.3049, 0.2749, 0.4133



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.0777, 0.2944, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3049, 0.2749, 0.4133 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(88, 189, 138)` looks like.

```
.text, #text, p{  
    color:rgb(88, 189, 138)  
}
```

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(88, 189, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 189, 138) }
```

Border

The CSS property to change the border of an element to Yxy 40.3049, 0.2749, 0.4133 is called "border". The border property can be set on classes, ids or directly on the HTML element.

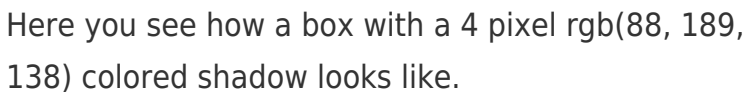
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(88, 189, 138) }
```

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

```
.border{ border-color:rgb(88, 189, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(88, 189, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(88, 189, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(88, 189, 138); box-shadow:4px 4px 4px 4px rgb(88, 189, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3049, 0.2749, 0.4133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 189, 138) }
```

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

```
.background{ background-color: rgb(88, 189,  
138) }
```

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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