

Converting Colors

$Y_{xy}(47.5493, 0.2886, 0.3740)$

Have a look what the booklet for
Yxy(47.5493, 0.2886, 0.3740)
contains.

Yxy(47.3474, 0.2883, 0.3738)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.3474, 0.2883, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	87C4A5
RGB	135, 196, 165
RGB Percent	53%, 77%, 65%
CMY	0.4707, 0.2313, 0.3530
CMYK	0.31, 0.00, 0.16, 0.23
HSL	149°, 34%, 65%
HSV	149°, 31%, 77%
XYZ	36.5175, 47.3474, 42.8001
YIQ	174.2270, -26.4050, -22.5730

Conversions

Conversions Part 2

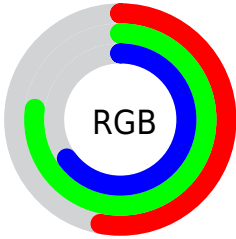
Format	Color
RYB	135, 176, 196
Decimal	8897701
CIELab	74.41, -26.22, 9.37
CIELCh	74, 27.841, 160.323
Yxy	47.3474, 0.2883, 0.3738
Android (android.graphics.Color)	4287087781 (0xFF87C4A5)
YUV	174.2270, -4.5489, -34.4021
Hunter-Lab	68.8094, -25.6856, 11.2877

Details

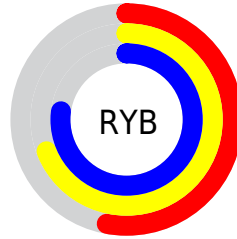
The Yxy color **47.3474, 0.2883, 0.3738** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.8101, 0.3473, 0.2883**, and the grayscale version is **42.4811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3650, 0.2931, 0.3654**, and **22.3773, 0.2812, 0.3879** is the 20% darker color. If you saturate the color by 10%, you get **45.5220, 0.2817, 0.3912**, and if you desaturate by 10%, it is **49.5043, 0.2957, 0.3578**.

Distribution



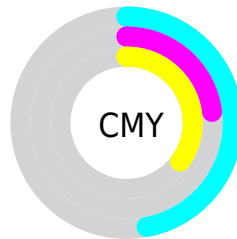
- Red (53%)
- Green (77%)
- Blue (65%)



- Red (53%)
- Yellow (69%)
- Blue (77%)



- Cyan (31%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)



- Cyan (47%)
- Magenta (23%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3474, 0.2883, 0.3738 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 47.3474, 0.2883, 0.3738 by changing the saturation by 10% instead.

■ 47.3474, 0.2883,
0.3738

■ 47.3474, 0.2883,
0.3738

376.1995, 0.3008,
0.3508

■ 33.3104, 0.2851,
0.3798

■ 86.2320, 0.2929,
0.3653

■ 22.3643, 0.2809,
0.3875

■ 111.8483, 0.2946,
0.3621

■ 14.1248, 0.2752,
0.3981

■ 142.0931, 0.2961,
0.3595

■ 8.2075, 0.2671,
0.4133

177.3509, 0.2973,
0.3572

■ 4.2280, 0.2546,
0.4370

218.0061, 0.2983,
0.3553

■ 1.8019, 0.2329,
0.4785

264.4430, 0.2993,

■ 0.4884, 0.0000,

0.3536

1.0000

317.0460, 0.3001,
0.3521

0.0000, 0.0000,
0.0000

47.3474, 0.2883,
0.3738

47.3474, 0.2883,
0.3738

45.5220, 0.2817,
0.3912

49.5043, 0.2957,
0.3578

44.0052, 0.2761,
0.4097

52.0025, 0.3036,
0.3434

42.7801, 0.2720,
0.4292


54.8589, 0.3118,
0.3304


41.8260, 0.2697,
0.4491

58.0874, 0.3200,
0.3189


41.1191, 0.2692,
0.4689


61.7009, 0.3281,
0.3087

 40.6315, 0.2708,
0.4881

 65.7121, 0.3360,
0.2997

 40.3363, 0.2734,
0.5042

 66.7280, 0.3303,
0.2902

 67.3195, 0.3228,
0.2807

 67.9437, 0.3157,
0.2716

Harmonies

Analogous

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



47.3474, 0.3264, 0.3958



47.3474, 0.2883, 0.3738



47.3474, 0.2580, 0.3378

Triad

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



47.3474, 0.2883, 0.3738



47.3474, 0.2628, 0.2662



47.3474, 0.3886, 0.3487

Complementary

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



47.3474, 0.2883, 0.3738



31.8101, 0.3473, 0.2883

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.



47.3474, 0.3696, 0.3172



47.3474, 0.2883, 0.3738



47.3474, 0.2953, 0.2713

Square

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



47.3474, 0.2883, 0.3738



47.3474, 0.2441, 0.2763



47.3474, 0.3346, 0.2896



47.3474, 0.3856, 0.3777

Rectangle

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



47.3474, 0.2883, 0.3738



47.3474, 0.2457, 0.3129



47.3474, 0.3346, 0.2896



47.3474, 0.3846, 0.3381

Sweetspot

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



47.3494, 0.2883, 0.3738



95.1753, 0.3052, 0.3407



49.3956, 0.3338, 0.4127



20.2156, 0.3040, 0.3427



0.0000, 0.0000, 0.0000



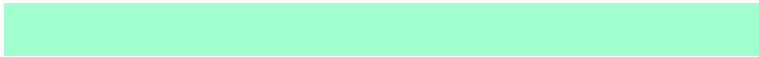
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.3494, 0.2883, 0.3738



83.5673, 0.2839, 0.3848



48.5734, 0.2691, 0.3303



11.3395, 0.3051, 0.3409



25.9317, 0.2727, 0.5018



1.1344, 0.2612, 0.4602

Inverse Universe

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



31.8101, 0.3473, 0.2883



51.2121, 0.3571, 0.2797



30.8340, 0.3814, 0.3278



10.1614, 0.3211, 0.3174



8.1450, 0.4902, 0.2474



0.3658, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 47.3474, 0.2883, 0.3738 looks on a white background.

Color Contrast Check

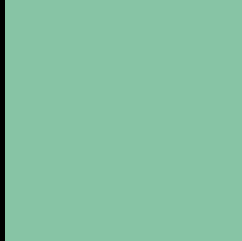
Large Text (above 18pt) WCAG AA × Fail

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 47.3474, 0.2883, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

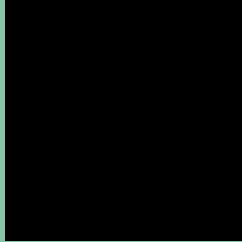
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3474, 0.2883, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 47.3474, 0.2883, 0.3738.

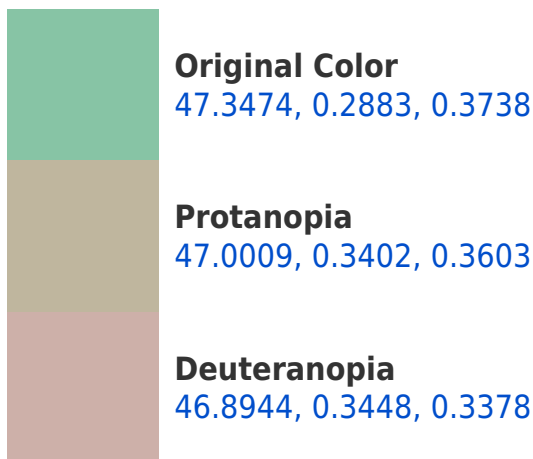


This preview shows how white text looks on a background with the Yxy color 47.3474, 0.2883, 0.3738.

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





Tritanopia

47.1228, 0.2666, 0.3073

Trichromacy



Original Color

47.3474, 0.2883, 0.3738

Protanomaly

46.7718, 0.3194, 0.3644

Deuteranomaly

46.3974, 0.3221, 0.3489

Tritanomaly

47.0363, 0.2743, 0.3303

Monochromacy



Original Color

47.3474, 0.2883, 0.3738

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8698, 0.3028, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3474, 0.2883, 0.3738 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(135, 196, 165)` looks like.

```
.text, #text, p{  
    color:rgb(135, 196, 165)  
}
```

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(135, 196, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 196, 165) }
```

Border

The CSS property to change the border of an element to Yxy 47.3474, 0.2883, 0.3738 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(135, 196, 165) }
```

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

```
.border{ border-color:rgb(135, 196, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 196, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 196, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 196, 165);  
box-shadow:4px 4px 4px 4px rgb(135, 196,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3474, 0.2883, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 196, 165) }
```

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

```
.background{ background-color: rgb(135,  
196, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor