

Converting Colors

$Yxy(47.8604, 0.2875, 0.3686)$

Have a look what the booklet for
Yxy(47.8604, 0.2875, 0.3686)
contains.

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Color

Yxy(47.6628, 0.2871, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	89C4A9
RGB	137, 196, 169
RGB Percent	54%, 77%, 66%
CMY	0.4625, 0.2314, 0.3373
CMYK	0.30, 0.00, 0.14, 0.23
HSL	153°, 33%, 65%
HSV	153°, 30%, 77%
XYZ	37.2252, 47.6628, 44.7714
YIQ	175.2810, -26.4970, -20.9050

Conversions

Conversions Part 2

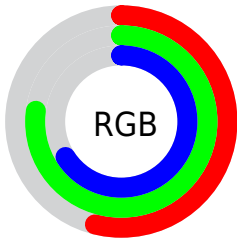
Format	Color
RYB	137, 175, 196
Decimal	9028777
CIELab	74.61, -24.75, 7.50
CIElCh	75, 25.859, 163.129
Yxy	47.6628, 0.2871, 0.3676
Android (android.graphics.Color)	4287218857 (0xFF89C4A9)
YUV	175.2810, -3.0965, -33.5724
Hunter-Lab	69.0383, -24.5703, 9.8771

Details

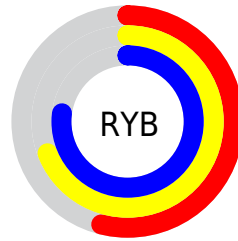
The Yxy color **47.6628, 0.2871, 0.3676** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.3272, 0.3489, 0.2936**, and the grayscale version is **43.0569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8388, 0.2921, 0.3607**, and **22.5617, 0.2795, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **45.8294, 0.2798, 0.3830**, and if you desaturate by 10%, it is **49.8242, 0.2952, 0.3534**.

Distribution



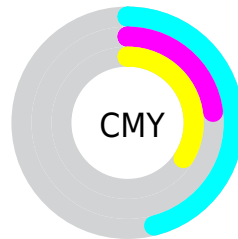
- Red (54%)
- Green (77%)
- Blue (66%)



- Red (54%)
- Yellow (69%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (14%)
- Black (23%)





- Cyan (46%)
- Magenta (23%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6628, 0.2871, 0.3676 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 47.6628, 0.2871, 0.3676 by changing the saturation by 10% instead.


 47.6628, 0.2871,
0.3676

 47.6628, 0.2871,
0.3676


377.4540, 0.3001,
0.3479


 33.5599, 0.2838,
0.3727


 86.7021, 0.2919,
0.3603

 22.5557, 0.2795,
0.3793


 112.4074, 0.2936,
0.3576

 14.2658, 0.2738,
0.3882


 142.7489, 0.2951,
0.3554

 8.3058, 0.2656,
0.4010

178.1110, 0.2964,
0.3534

 4.2912, 0.2532,
0.4208

218.8782, 0.2975,
0.3517

 1.8378, 0.2320,
0.4552

265.4349, 0.2985,

 0.5105, 0.0000,

0.3503

0.9424

318.1653, 0.2993,
0.3490

0.0000, 0.0000,
0.0000

47.6628, 0.2871,
0.3676

47.6628, 0.2871,
0.3676

45.8294, 0.2798,
0.3830

49.8242, 0.2952,
0.3534

44.3013, 0.2737,
0.3995

52.3232, 0.3038,
0.3406

43.0623, 0.2690,
0.4168


55.1763, 0.3127,
0.3291


42.0918, 0.2660,
0.4347


58.3971, 0.3216,
0.3188

41.3669, 0.2650,
0.4526

61.9986, 0.3304,
0.3097

 40.8603, 0.2660,
0.4702

 65.9929, 0.3391,
0.3018

 40.5213, 0.2686,
0.4870

 66.5541, 0.3324,
0.2930

 67.0770, 0.3257,
0.2844

 67.6265, 0.3191,
0.2760

Harmonies

Analogous

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



47.6628, 0.3222, 0.3895



47.6628, 0.2871, 0.3676



47.6628, 0.2599, 0.3339

Triad

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



47.6628, 0.2871, 0.3676



47.6628, 0.2687, 0.2704



47.6628, 0.3836, 0.3503

Complementary

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



47.6628, 0.2871, 0.3676



32.3272, 0.3489, 0.2936

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.



47.6628, 0.3678, 0.3208



47.6628, 0.2871, 0.3676



47.6628, 0.3000, 0.2764

Square

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



47.6628, 0.2871, 0.3676



47.6628, 0.2498, 0.2786



47.6628, 0.3365, 0.2944



47.6628, 0.3790, 0.3766

Rectangle

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



47.6628, 0.2871, 0.3676



47.6628, 0.2493, 0.3113



47.6628, 0.3365, 0.2944



47.6628, 0.3805, 0.3405

Sweetspot

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



47.6648, 0.2871, 0.3676



95.2454, 0.3046, 0.3395



49.2372, 0.3306, 0.4102



20.2328, 0.3033, 0.3413



0.0000, 0.0000, 0.0000



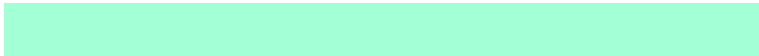
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6648, 0.2871, 0.3676



84.1289, 0.2823, 0.3775



47.9052, 0.2695, 0.3262



11.3481, 0.3044, 0.3397



26.0565, 0.2680, 0.4847



1.1396, 0.2574, 0.4465

Inverse Universe

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



32.3272, 0.3489, 0.2936



51.9456, 0.3597, 0.2856



32.0165, 0.3785, 0.3318



10.1529, 0.3219, 0.3185



8.0298, 0.5113, 0.2590



0.3608, 0.4580, 0.2297

Previews

White Background



This preview shows how the Yxy color 47.6628, 0.2871, 0.3676 looks on a white background.

Color Contrast Check

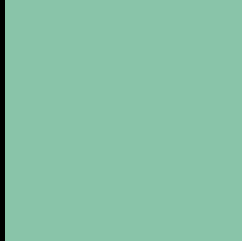
Large Text (above 18pt) WCAG AA × Fail

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 47.6628, 0.2871, 0.3676 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

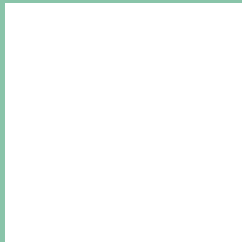
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6628, 0.2871, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 47.6628, 0.2871, 0.3676.



This preview shows how white text looks on a background with the Yxy color 47.6628, 0.2871, 0.3676.

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

47.6628, 0.2871, 0.3676

Protanopia

47.1409, 0.3369, 0.3550

Deuteranopia

47.2988, 0.3402, 0.3341



Tritanopia

47.7376, 0.2681, 0.3088

Trichromacy



Original Color

47.6628, 0.2871, 0.3676

Protanomaly

46.9152, 0.3163, 0.3588

Deuteranomaly

46.9628, 0.3188, 0.3449

Tritanomaly

47.7410, 0.2745, 0.3289

Monochromacy



Original Color

47.6628, 0.2871, 0.3676

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.4612, 0.3021, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6628, 0.2871, 0.3676 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(137, 196, 169)` looks like.

```
.text, #text, p{  
    color:rgb(137, 196, 169)  
}
```

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(137, 196, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 196, 169) }
```

Border

The CSS property to change the border of an element to Yxy 47.6628, 0.2871, 0.3676 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(137, 196, 169) }
```

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

```
.border{ border-color:rgb(137, 196, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 196, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 196, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 196, 169);  
box-shadow:4px 4px 4px 4px rgb(137, 196,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6628, 0.2871, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 196, 169) }
```

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

```
.background{ background-color: rgb(137,  
196, 169) }
```

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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