

Converting Colors

$Yxy(47.7523, 0.3194, 0.4135)$

Have a look what the booklet for
Yxy(47.7523, 0.3194, 0.4135)
contains.

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Color

Yxy(47.8653, 0.3196, 0.4132)

Conversions

Conversions Part 1

Format	Color
Hex	97C489
RGB	151, 196, 137
RGB Percent	59%, 77%, 54%
CMY	0.4077, 0.2314, 0.4628
CMYK	0.23, 0.00, 0.30, 0.23
HSL	106°, 33%, 65%
HSV	106°, 30%, 77%
XYZ	37.0226, 47.8653, 30.9526
YIQ	175.8190, -7.8810, -27.8890

Conversions

Conversions Part 2

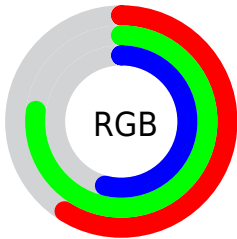
Format	Color
RYB	137, 196, 182
Decimal	9946249
CIELab	74.74, -25.96, 24.94
CIElCh	75, 36.003, 136.148
Yxy	47.8653, 0.3196, 0.4132
Android (android.graphics.Color)	4288136329 (0xFF97C489)
YUV	175.8190, -19.1378, -21.7663
Hunter-Lab	69.1848, -25.5532, 21.9036

Details

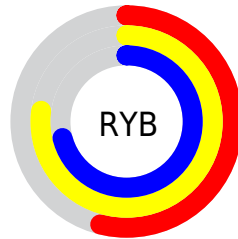
The Yxy color **47.8653, 0.3196, 0.4132** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.8154, 0.3022, 0.2518**, and the grayscale version is **43.4258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1340, 0.3188, 0.3969**, and **22.6868, 0.3196, 0.4384** is the 20% darker color. If you saturate the color by 10%, you get **46.0149, 0.3210, 0.4457**, and if you desaturate by 10%, it is **50.0030, 0.3176, 0.3826**.

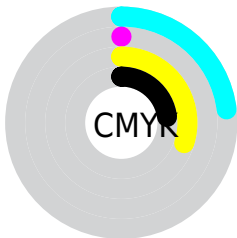
Distribution



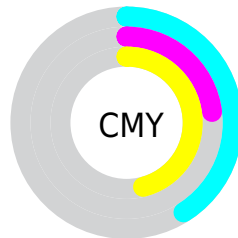
- Red (59%)
- Green (77%)
- Blue (54%)



- Red (54%)
- Yellow (77%)
- Blue (71%)



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





- Cyan (41%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8653, 0.3196, 0.4132 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 47.8653, 0.3196, 0.4132 by changing the saturation by 10% instead.


 47.8653, 0.3196,
0.4132


 47.8653, 0.3196,
0.4132


378.2580, 0.3172,
0.3695


 33.7202, 0.3198,
0.4246


 87.0038, 0.3190,
0.3970

 22.6788, 0.3198,
0.4394


 112.7660, 0.3187,
0.3910

 14.3565, 0.3193,
0.4595


 143.1695, 0.3184,
0.3860

 8.3690, 0.3176,
0.4882

178.5984, 0.3182,
0.3817

 4.3320, 0.3128,
0.5319

219.4374, 0.3179,
0.3780

 1.8609, 0.3268,
0.6615

266.0707, 0.3177,

 0.5247, 0.0000,

0.3748

1.0000

318.8828, 0.3175,
0.3720

0.0000, 0.0000,
0.0000

47.8653, 0.3196,
0.4132

47.8653, 0.3196,
0.4132

46.0149, 0.3210,
0.4457

50.0030, 0.3176,
0.3826

44.4335, 0.3216,
0.4789

52.4334, 0.3153,
0.3545

43.1097, 0.3212,
0.5111


55.1694, 0.3127,
0.3292


42.0293, 0.3197,
0.5404

58.2212, 0.3101,
0.3068

41.1762, 0.3169,
0.5645

61.5988, 0.3076,
0.2870

 40.5325, 0.3131,
0.5819

 65.3113, 0.3051,
0.2697

 40.0743, 0.3091,
0.5928

 67.9584, 0.3154,
0.2712

Harmonies

Analogous

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



47.8653, 0.3673, 0.4177



47.8653, 0.3196, 0.4132



47.8653, 0.2722, 0.3793

Triad

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



47.8653, 0.3196, 0.4132



47.8653, 0.2290, 0.2575



47.8653, 0.3930, 0.3207

Complementary

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



47.8653, 0.3196, 0.4132



31.8154, 0.3022, 0.2518

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.



47.8653, 0.3503, 0.2851



47.8653, 0.3196, 0.4132



47.8653, 0.2559, 0.2495

Square

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



47.8653, 0.3196, 0.4132



47.8653, 0.2225, 0.2852



47.8653, 0.2994, 0.2598



47.8653, 0.4122, 0.3602

Rectangle

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



47.8653, 0.3196, 0.4132



47.8653, 0.2471, 0.3467



47.8653, 0.2994, 0.2598



47.8653, 0.3808, 0.3080

Sweetspot

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



47.8674, 0.3196, 0.4132



95.4418, 0.3150, 0.3520



46.6895, 0.3627, 0.3862



20.2802, 0.3154, 0.3559



0.0000, 0.0000, 0.0000



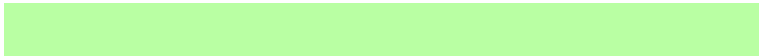
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8674, 0.3196, 0.4132



84.4917, 0.3206, 0.4340



47.0551, 0.2986, 0.3936



11.3719, 0.3151, 0.3525



25.7841, 0.3099, 0.5922



1.1470, 0.3265, 0.5790

Inverse Universe

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



31.8154, 0.3022, 0.2518



50.8348, 0.2992, 0.2346



32.9720, 0.3308, 0.2722



10.1229, 0.3101, 0.3060



6.7290, 0.2619, 0.1217



0.3206, 0.2758, 0.1293

Previews

White Background



This preview shows how the Yxy color 47.8653, 0.3196, 0.4132 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 47.8653, 0.3196, 0.4132 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 47.8653, 0.3196, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 47.8653, 0.3196, 0.4132.



This preview shows how white text looks on a background with the Yxy color 47.8653, 0.3196, 0.4132.

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

47.8653, 0.3196, 0.4132

Protanopia

47.3760, 0.3680, 0.3957

Deuteranopia

47.4208, 0.3790, 0.3717



Tritanopia

47.9596, 0.2816, 0.3093

Trichromacy



Original Color

47.8653, 0.3196, 0.4132

Protanomaly

47.3632, 0.3491, 0.4028

Deuteranomaly

46.9669, 0.3559, 0.3851

Tritanomaly

47.7854, 0.2954, 0.3453

Monochromacy



Original Color

47.8653, 0.3196, 0.4132

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.6911, 0.3156, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8653, 0.3196, 0.4132 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(151, 196, 137)` looks like.

```
.text, #text, p{  
    color:rgb(151, 196, 137)  
}
```

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(151, 196, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 196, 137) }
```

Border

The CSS property to change the border of an element to Yxy 47.8653, 0.3196, 0.4132 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(151, 196, 137) }
```

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

```
.border{ border-color:rgb(151, 196, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 196, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 196, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 196, 137);  
box-shadow:4px 4px 4px 4px rgb(151, 196,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8653, 0.3196, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 196, 137) }
```

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

```
.background{ background-color: rgb(151,  
196, 137) }
```

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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