

Converting Colors

$Yxy(48.7282, 0.3043, 0.3813)$

Have a look what the booklet for
Yxy(48.7282, 0.3043, 0.3813)
contains.

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Color

Yxy(48.5624, 0.3041, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	97C49F
RGB	151, 196, 159
RGB Percent	59%, 77%, 62%
CMY	0.4079, 0.2314, 0.3764
CMYK	0.23, 0.00, 0.19, 0.23
HSL	131°, 28%, 68%
HSV	131°, 23%, 77%
XYZ	38.7607, 48.5624, 40.1373
YIQ	178.3270, -14.9430, -21.0470

Conversions

Conversions Part 2

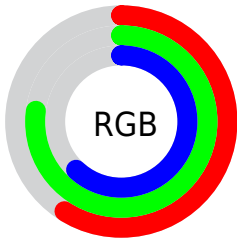
Format	Color
RYB	151, 189, 196
Decimal	9946271
CIELab	75.18, -22.23, 13.80
CIElCh	75, 26.162, 148.163
Yxy	48.5624, 0.3041, 0.3810
Android (android.graphics.Color)	4288136351 (0xFF97C49F)
YUV	178.3270, -9.5282, -23.9658
Hunter-Lab	69.6867, -22.6677, 14.6316

Details

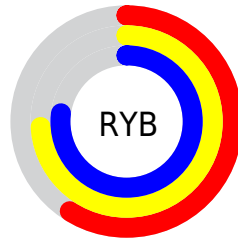
The Yxy color **48.5624, 0.3041, 0.3810** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.4987, 0.3227, 0.2820**, and the grayscale version is **44.7615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2274, 0.3058, 0.3711**, and **23.0814, 0.3005, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **46.3191, 0.3005, 0.4080**, and if you desaturate by 10%, it is **51.1945, 0.3079, 0.3566**.

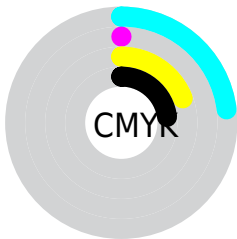
Distribution



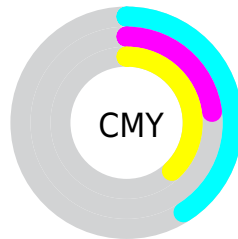
- Red (59%)
- Green (77%)
- Blue (62%)



- Red (59%)
- Yellow (74%)
- Blue (77%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)




- Cyan (41%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5624, 0.3041, 0.3810 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 48.5624, 0.3041, 0.3810 by changing the saturation by 10% instead.


 48.5624, 0.3041,
0.3810


 48.5624, 0.3041,
0.3810

381.0170, 0.3088,
0.3543

 34.2725, 0.3028,
0.3879


 88.0412, 0.3059,
0.3711

 23.1030, 0.3010,
0.3969


 113.9988, 0.3066,
0.3675

 14.6696, 0.2985,
0.4090


144.6145, 0.3071,
0.3644

 8.5878, 0.2948,
0.4265

180.2726, 0.3076,
0.3618

 4.4733, 0.2885,
0.4534

221.3575, 0.3079,
0.3595

 1.9417, 0.2766,
0.5005

268.2536, 0.3083,

 0.5733, 0.0040,

0.3576

0.9960

321.3453, 0.3086,
0.3558

0.0000, 0.0000,
0.0000

48.5624, 0.3041,
0.3810

48.5624, 0.3041,
0.3810

46.3191, 0.3005,
0.4080

51.1945, 0.3079,
0.3566

44.4401, 0.2972,
0.4372

54.2262, 0.3116,
0.3349

42.9080, 0.2946,
0.4677

57.6754, 0.3153,
0.3159

41.7011, 0.2928,
0.4983

61.5574, 0.3188,
0.2993

40.7953, 0.2921,
0.5272

65.8863, 0.3220,
0.2849

■ 40.1634, 0.2926,
0.5527

■ 67.9618, 0.3154,
0.2712

■ 39.7727, 0.2942,
0.5731

■ 39.6026, 0.2955,
0.5840

Harmonies

Analogous

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



48.5624, 0.3400, 0.3937



48.5624, 0.3041, 0.3810



48.5624, 0.2718, 0.3515

Triad

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



48.5624, 0.3041, 0.3810



48.5624, 0.2572, 0.2723



48.5624, 0.3785, 0.3356

Complementary

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



48.5624, 0.3041, 0.3810



37.4987, 0.3227, 0.2820

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.



48.5624, 0.3538, 0.3068



48.5624, 0.3041, 0.3810



48.5624, 0.2830, 0.2714

Square

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



48.5624, 0.3041, 0.3810



48.5624, 0.2459, 0.2879



48.5624, 0.3182, 0.2839



48.5624, 0.3843, 0.3645

Rectangle

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



48.5624, 0.3041, 0.3810



48.5624, 0.2563, 0.3280



48.5624, 0.3182, 0.2839



48.5624, 0.3721, 0.3257

Sweetspot

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



48.5644, 0.3041, 0.3810



95.8613, 0.3101, 0.3436



52.4714, 0.3406, 0.3869



20.4457, 0.3098, 0.3449



0.0000, 0.0000, 0.0000



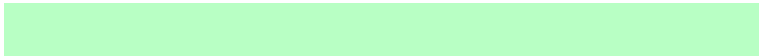
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5644, 0.3041, 0.3810



85.6611, 0.3021, 0.3955



49.3970, 0.2890, 0.3495



11.2875, 0.3092, 0.3485



25.4544, 0.2950, 0.5821



1.1090, 0.2842, 0.5430

Inverse Universe

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



37.4987, 0.3227, 0.2820



61.8027, 0.3256, 0.2706



36.6216, 0.3441, 0.3095



10.2157, 0.3164, 0.3103



9.2076, 0.3712, 0.1819



0.4061, 0.3581, 0.1747

Previews

White Background



This preview shows how the Yxy color 48.5624, 0.3041, 0.3810 looks on a white background.

Color Contrast Check

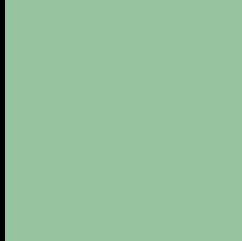
Large Text (above 18pt) WCAG AA × Fail

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 48.5624, 0.3041, 0.3810 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 48.5624, 0.3041, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 48.5624, 0.3041, 0.3810.



This preview shows how white text looks on a background with the Yxy color 48.5624, 0.3041, 0.3810.

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

48.5624, 0.3041, 0.3810

Protanopia

48.1830, 0.3475, 0.3689

Deuteranopia

48.1868, 0.3542, 0.3475



Tritanopia

48.6056, 0.2782, 0.3093

Trichromacy



Original Color

48.5624, 0.3041, 0.3810

Protanomaly

47.9167, 0.3309, 0.3731

Deuteranomaly

48.1254, 0.3345, 0.3589

Tritanomaly

48.3980, 0.2876, 0.3343

Monochromacy



Original Color

48.5624, 0.3041, 0.3810

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.9630, 0.3093, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5624, 0.3041, 0.3810 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(151, 196, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 196, 159) }
```

Border

The CSS property to change the border of an element to Yxy 48.5624, 0.3041, 0.3810 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, 159) }
```

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

```
.border{ border-color:rgb(151, 196, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 196, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 196, 159);  
box-shadow:4px 4px 4px 4px rgb(151, 196,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5624, 0.3041, 0.3810 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, 159) }
```

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

```
.background{ background-color: rgb(151,  
196, 159) }
```

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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