

Converting Colors

$Y_{xy}(47.9600, 0.3012, 0.3659)$

Have a look what the booklet for
Yxy(47.9600, 0.3012, 0.3659)
contains.

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Color

Yxy(47.8000, 0.3008, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	9AC1A7
RGB	154, 193, 167
RGB Percent	60%, 76%, 65%
CMY	0.3961, 0.2431, 0.3450
CMYK	0.20, 0.00, 0.13, 0.24
HSL	140°, 24%, 68%
HSV	140°, 20%, 76%
XYZ	39.3709, 47.8000, 43.7163
YIQ	178.3750, -14.8980, -16.3540

Conversions

Conversions Part 2

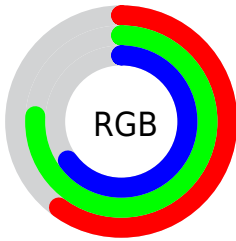
Format	Color
RYB	154, 183, 193
Decimal	10142119
CIELab	74.70, -18.22, 8.83
CIELCh	75, 20.250, 154.142
Yxy	47.8000, 0.3008, 0.3652
Android (android.graphics.Color)	4288332199 (0xFF9AC1A7)
YUV	178.3750, -5.6079, -21.3769
Hunter-Lab	69.1375, -19.3426, 10.9067

Details

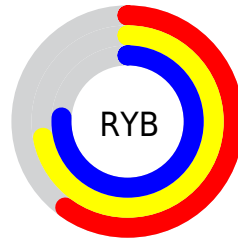
The Yxy color $47.8000, 0.3008, 0.3652$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $37.7410, 0.3270, 0.2954$, and the grayscale version is $44.7665, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.2005, 0.3032, 0.3590$, and $22.5278, 0.2970, 0.3757$ is the 20% darker color. If you saturate the color by 10%, you get $45.6059, 0.2952, 0.3863$, and if you desaturate by 10%, it is $50.3499, 0.3067, 0.3462$.

Distribution



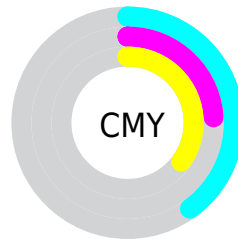
- Red (60%)
- Green (76%)
- Blue (65%)



- Red (60%)
- Yellow (72%)
- Blue (76%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)




- Cyan (40%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8000, 0.3008, 0.3652 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 47.8000, 0.3008, 0.3652 by changing the saturation by 10% instead.


 47.8000, 0.3008,
0.3652

 47.8000, 0.3008,
0.3652

377.9988, 0.3070,
0.3467

 33.6685, 0.2992,
0.3699


 86.9066, 0.3031,
0.3584

 22.6391, 0.2971,
0.3761


 112.6504, 0.3039,
0.3559

 14.3272, 0.2942,
0.3844


143.0339, 0.3046,
0.3537

 8.3486, 0.2901,
0.3964

178.4413, 0.3052,
0.3519

 4.3188, 0.2837,
0.4147

219.2571, 0.3058,
0.3504

 1.8535, 0.2722,
0.4466

265.8657, 0.3062,

 0.5202, 0.0870,

0.3490

0.9130

318.6515, 0.3066,
0.3478

0.0000, 0.0000,
0.0000

47.8000, 0.3008,
0.3652

47.8000, 0.3008,
0.3652

45.6059, 0.2952,
0.3863

50.3499, 0.3067,
0.3462

43.7456, 0.2902,
0.4092

53.2645, 0.3126,
0.3293

42.2041, 0.2861,
0.4338

56.5597, 0.3185,
0.3144

40.9626, 0.2831,
0.4593

60.2488, 0.3242,
0.3014

40.0003, 0.2815,
0.4850

64.3444, 0.3296,
0.2900

■ 39.2939, 0.2817,
0.5097

■ 65.9439, 0.3235,
0.2782

■ 38.8156, 0.2836,
0.5323

■ 66.6224, 0.3156,
0.2683

■ 38.5174, 0.2866,
0.5517

Harmonies

Analogous

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



47.8000, 0.3289, 0.3781



47.8000, 0.3008, 0.3652



47.8000, 0.2766, 0.3413

Triad

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



47.8000, 0.3008, 0.3652



47.8000, 0.2724, 0.2834



47.8000, 0.3659, 0.3394

Complementary

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



47.8000, 0.3008, 0.3652



37.7410, 0.3270, 0.2954

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.



47.8000, 0.3494, 0.3160



47.8000, 0.3008, 0.3652



47.8000, 0.2948, 0.2846

Square

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



47.8000, 0.3008, 0.3652



47.8000, 0.2608, 0.2939



47.8000, 0.3230, 0.2964



47.8000, 0.3673, 0.3614

Rectangle

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



47.8000, 0.3008, 0.3652



47.8000, 0.2657, 0.3233



47.8000, 0.3230, 0.2964



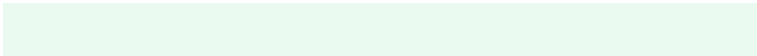
47.8000, 0.3619, 0.3315

Sweetspot

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



47.8020, 0.3008, 0.3652



92.2412, 0.3091, 0.3390



50.1785, 0.3316, 0.3806



19.7164, 0.3087, 0.3401



97.7402, 0.3127, 0.3290



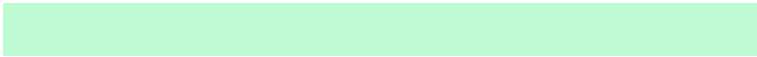
20.4902, 0.3127, 0.3290

Same Dimension

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



47.8020, 0.3008, 0.3652



83.8968, 0.2984, 0.3737



48.5781, 0.2872, 0.3378



11.3131, 0.3072, 0.3447



25.6304, 0.2859, 0.5493



1.1204, 0.2728, 0.5020

Inverse Universe

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



37.7410, 0.3270, 0.2954



62.8060, 0.3306, 0.2882



37.0017, 0.3459, 0.3205



10.1885, 0.3187, 0.3138



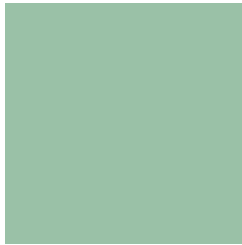
8.6028, 0.4262, 0.2121



0.3841, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 47.8000, 0.3008, 0.3652 looks on a white background.

Color Contrast Check

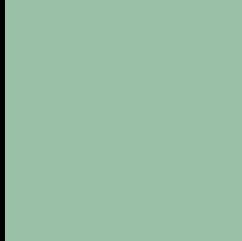
Large Text (above 18pt) WCAG AA × Fail

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 47.8000, 0.3008, 0.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

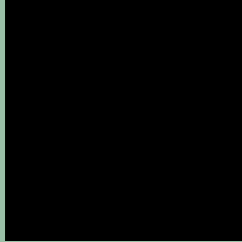
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8000, 0.3008, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 47.8000, 0.3008, 0.3652.



This preview shows how white text looks on a background with the Yxy color 47.8000, 0.3008, 0.3652.

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

47.8000, 0.3008, 0.3652

Protanopia

47.6821, 0.3376, 0.3562

Deuteranopia

47.4684, 0.3446, 0.3378



Tritanopia

47.7518, 0.2801, 0.3092

Trichromacy



Original Color

47.8000, 0.3008, 0.3652

Protanomaly

47.6860, 0.3230, 0.3597

Deuteranomaly

47.2963, 0.3274, 0.3473

Tritanomaly

47.8137, 0.2876, 0.3289

Monochromacy



Original Color

47.8000, 0.3008, 0.3652

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3580, 0.3079, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8000, 0.3008, 0.3652 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(154, 193, 167)` looks like.

```
.text, #text, p{  
    color:rgb(154, 193, 167)  
}
```

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(154, 193, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 193, 167) }
```

Border

The CSS property to change the border of an element to Yxy 47.8000, 0.3008, 0.3652 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(154, 193, 167) }
```

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

```
.border{ border-color:rgb(154, 193, 167) }
```

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

Here you see how a box with a 4 pixel rgb(154, 193, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 193, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 193, 167);  
box-shadow:4px 4px 4px 4px rgb(154, 193,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8000, 0.3008, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 193, 167) }
```

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

```
.background{ background-color: rgb(154,  
193, 167) }
```

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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