

Converting Colors

Yxy(49.9691, 0.3103, 0.3928)

Have a look what the booklet for
Yxy(49.9691, 0.3103, 0.3928)
contains.

Yxy(50.0168, 0.3105, 0.3931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.0168, 0.3105, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	9AC799
RGB	154, 199, 153
RGB Percent	60%, 78%, 60%
CMY	0.3959, 0.2196, 0.4000
CMYK	0.23, 0.00, 0.23, 0.22
HSL	119°, 29%, 69%
HSV	119°, 23%, 78%
XYZ	39.5070, 50.0168, 37.7130
YIQ	180.3010, -12.0540, -23.8460

Conversions

Conversions Part 2

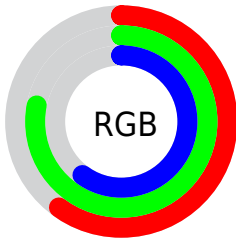
Format	Color
RYB	153, 199, 198
Decimal	10143641
CIELab	76.08, -23.75, 18.30
CIELCh	76, 29.980, 142.377
Yxy	50.0168, 0.3105, 0.3931
Android (android.graphics.Color)	4288333721 (0xFF9AC799)
YUV	180.3010, -13.4594, -23.0660
Hunter-Lab	70.7226, -24.0508, 17.8892

Details

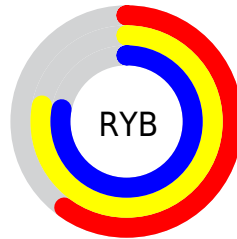
The Yxy color **50.0168, 0.3105, 0.3931** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.9090, 0.3144, 0.2720**, and the grayscale version is **45.8967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5803, 0.3115, 0.3806**, and **24.0349, 0.3088, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **47.6580, 0.3092, 0.4261**, and if you desaturate by 10%, it is **52.7987, 0.3116, 0.3631**.

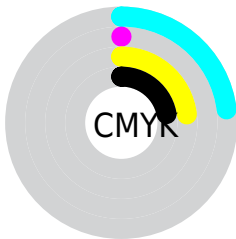
Distribution



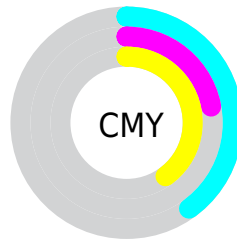
- Red (60%)
- Green (78%)
- Blue (60%)



- Red (60%)
- Yellow (78%)
- Blue (78%)



- Cyan (23%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)





- Cyan (40%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0168, 0.3105, 0.3931 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 50.0168, 0.3105, 0.3931 by changing the saturation by 10% instead.


 50.0168, 0.3105,
0.3931


 50.0168, 0.3105,
0.3931


386.7316, 0.3122,
0.3602

 35.4267, 0.3099,
0.4016


 90.1998, 0.3113,
0.3810

 23.9918, 0.3089,
0.4126


 116.5615, 0.3115,
0.3765

 15.3275, 0.3074,
0.4274


147.6158, 0.3117,
0.3727

 9.0496, 0.3049,
0.4486

183.7473, 0.3119,
0.3695

 4.7735, 0.3001,
0.4810

225.3402, 0.3120,
0.3667

 2.1150, 0.2917,
0.5401

272.7790, 0.3121,

 0.6730, 0.0819,

0.3642

0.9181

326.4480, 0.3122,
0.3621

0.0000, 0.0000,
0.0000

50.0168, 0.3105,
0.3931

50.0168, 0.3105,
0.3931

47.6580, 0.3092,
0.4261

52.7987, 0.3116,
0.3631

45.6958, 0.3078,
0.4611

56.0164, 0.3125,
0.3366

44.1102, 0.3063,
0.4966

59.6896, 0.3132,
0.3134

42.8771, 0.3047,
0.5302

63.8353, 0.3138,
0.2933

41.9696, 0.3031,
0.5592

68.4693, 0.3143,
0.2760

■ 41.3569, 0.3018,
0.5811

■ 69.3238, 0.3153,
0.2742

■ 41.0024, 0.3008,
0.5944

■ 40.8728, 0.3004,
0.5997

Harmonies

Analogous

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



50.0168, 0.3507, 0.4027



50.0168, 0.3105, 0.3931



50.0168, 0.2725, 0.3621

Triad

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



50.0168, 0.3105, 0.3931



50.0168, 0.2463, 0.2671



50.0168, 0.3836, 0.3296

Complementary

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



50.0168, 0.3105, 0.3931



38.9090, 0.3144, 0.2720

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.



50.0168, 0.3520, 0.2982



50.0168, 0.3105, 0.3931



50.0168, 0.2724, 0.2632

Square

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



50.0168, 0.3105, 0.3931



50.0168, 0.2371, 0.2874



50.0168, 0.3107, 0.2746



50.0168, 0.3946, 0.3626

Rectangle

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



50.0168, 0.3105, 0.3931



50.0168, 0.2533, 0.3354



50.0168, 0.3107, 0.2746



50.0168, 0.3749, 0.3186

Sweetspot

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



50.0189, 0.3105, 0.3931



95.7431, 0.3121, 0.3468



54.5835, 0.3476, 0.3843



20.4184, 0.3121, 0.3484



0.0000, 0.0000, 0.0000



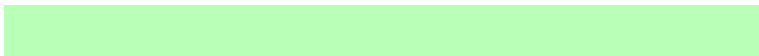
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0189, 0.3105, 0.3931



85.3046, 0.3099, 0.4103



50.6915, 0.2950, 0.3625



11.8991, 0.3119, 0.3528



26.2892, 0.3006, 0.5996



1.2489, 0.3026, 0.5980

Inverse Universe

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



38.9090, 0.3144, 0.2720



62.2906, 0.3148, 0.2588



38.1230, 0.3353, 0.2978



10.8040, 0.3134, 0.3062



10.0753, 0.3154, 0.1511



0.4810, 0.3166, 0.1518

Previews

White Background



This preview shows how the Yxy color 50.0168, 0.3105, 0.3931 looks on a white background.

Color Contrast Check

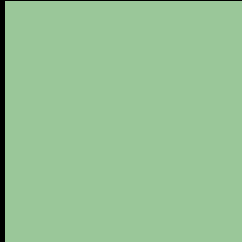
Large Text (above 18pt) WCAG AA × Fail

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 50.0168, 0.3105, 0.3931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

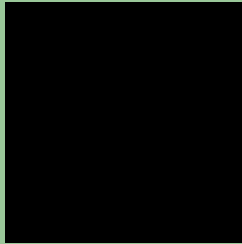
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0168, 0.3105, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 50.0168, 0.3105, 0.3931.



This preview shows how white text looks on a background with the Yxy color 50.0168, 0.3105, 0.3931.

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

50.0168, 0.3105, 0.3931

Protanopia

49.7893, 0.3553, 0.3797

Deuteranopia

49.6758, 0.3644, 0.3568



Tritanopia

49.9908, 0.2800, 0.3095

Trichromacy



Original Color

50.0168, 0.3105, 0.3931

Protanomaly

49.4988, 0.3385, 0.3844

Deuteranomaly

49.2784, 0.3426, 0.3689

Tritanomaly

50.0917, 0.2914, 0.3396

Monochromacy



Original Color

50.0168, 0.3105, 0.3931

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.1009, 0.3125, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0168, 0.3105, 0.3931 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, 199, 153)` looks like.

```
.text, #text, p{  
    color:rgb(154, 199, 153)  
}
```

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, 199, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 199, 153) }
```

Border

The CSS property to change the border of an element to Yxy 50.0168, 0.3105, 0.3931 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, 199, 153) }
```

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

```
.border{ border-color:rgb(154, 199, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 199, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 199, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 199, 153);  
box-shadow:4px 4px 4px 4px rgb(154, 199,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0168, 0.3105, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 199, 153) }
```

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

```
.background{ background-color: rgb(154,  
199, 153) }
```

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