

Converting Colors

$Yxy(61.9170, 0.3007, 0.3800)$

Have a look what the booklet for
Yxy(61.9170, 0.3007, 0.3800)
contains.

Yxy(61.9170, 0.3007, 0.3800)	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(61.9170, 0.3007, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	A5DBB3
RGB	165, 219, 179
RGB Percent	65%, 86%, 70%
CMY	0.3527, 0.1412, 0.2980
CMYK	0.25, 0.00, 0.18, 0.14
HSL	136°, 43%, 75%
HSV	136°, 25%, 86%
XYZ	48.9959, 61.9170, 52.0266
YIQ	198.2940, -19.3440, -23.8880

Conversions

Conversions Part 2

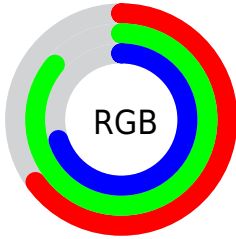
Format	Color
RYB	165, 208, 219
Decimal	10869683
CIELab	82.87, -25.25, 14.11
CIELCh	83, 28.926, 150.812
Yxy	61.9170, 0.3007, 0.3800
Android (android.graphics.Color)	4289059763 (0xFFA5DBB3)
YUV	198.2940, -9.5119, -29.1988
Hunter-Lab	78.6874, -26.5571, 15.8797

Details

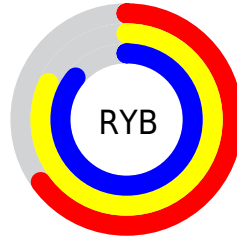
The Yxy color **61.9170, 0.3007, 0.3800** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.4001, 0.3274, 0.2829**, and the grayscale version is **56.7368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8903, 0.3032, 0.3495**, and **31.5020, 0.2973, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **59.1491, 0.2962, 0.4048**, and if you desaturate by 10%, it is **65.1695, 0.3055, 0.3575**.

Distribution



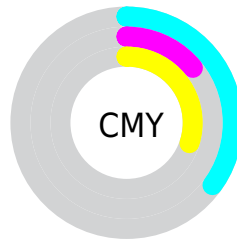
- Red (65%)
- Green (86%)
- Blue (70%)



- Red (65%)
- Yellow (82%)
- Blue (86%)



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)
- Black (14%)





- Cyan (35%)
- Magenta (14%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9170, 0.3007, 0.3800 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 61.9170, 0.3007, 0.3800 by changing the saturation by 10% instead.

 61.9170, 0.3007,
0.3800


 61.9170, 0.3007,
0.3800


431.6283, 0.3069,
0.3548

 44.9656, 0.2991,
0.3862


 107.6056, 0.3030,
0.3709

 31.4304, 0.2971,
0.3940

 137.1116, 0.3038,
0.3675

 20.9268, 0.2944,
0.4044


171.5712, 0.3045,
0.3646

 13.0705, 0.2905,
0.4186

211.3689, 0.3051,
0.3621

 7.4771, 0.2847,
0.4393

256.8891, 0.3056,
0.3599

 3.7622, 0.2749,
0.4721

308.5161, 0.3061,

 1.5415, 0.2594,

0.3580

366.6344, 0.3065,
0.3563

0.5420

0.3176, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

61.9170, 0.3007,
0.3800

61.9170, 0.3007,
0.3800

59.1491, 0.2962,
0.4048

65.1695, 0.3055,
0.3575

56.8350, 0.2922,
0.4316

68.9203, 0.3104,
0.3375

54.9520, 0.2892,
0.4597

73.1924, 0.3153,
0.3198

53.4726, 0.2873,
0.4881

78.0047, 0.3200,
0.3043

■ 52.3659, 0.2868,
0.5154

■ 79.1382, 0.3144,
0.2940

■ 51.5964, 0.2878,
0.5403

■ 51.1211, 0.2903,
0.5611

■ 50.9505, 0.2918,
0.5705

Harmonies

Analogous

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



61.9170, 0.3374, 0.3947



61.9170, 0.3007, 0.3800



61.9170, 0.2685, 0.3489

Triad

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



61.9170, 0.3007, 0.3800



61.9170, 0.2579, 0.2706



61.9170, 0.3812, 0.3384

Complementary

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



61.9170, 0.3007, 0.3800



46.4001, 0.3274, 0.2829

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.



61.9170, 0.3574, 0.3088



61.9170, 0.3007, 0.3800



61.9170, 0.2853, 0.2709

Square

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



61.9170, 0.3007, 0.3800



61.9170, 0.2450, 0.2851



61.9170, 0.3217, 0.2848



61.9170, 0.3851, 0.3675

Rectangle

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



61.9170, 0.3007, 0.3800



61.9170, 0.2536, 0.3248



61.9170, 0.3217, 0.2848



61.9170, 0.3752, 0.3282

Sweetspot

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



61.9196, 0.3007, 0.3800



95.9474, 0.3092, 0.3421



66.4286, 0.3393, 0.3924



20.4656, 0.3089, 0.3433



0.0000, 0.0000, 0.0000



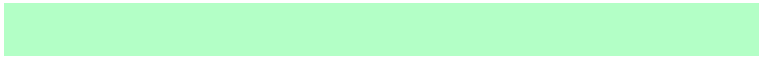
21.4041, 0.3127, 0.3290

Same Dimension

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



61.9196, 0.3007, 0.3800



85.1354, 0.2981, 0.3937



63.0965, 0.2845, 0.3456



14.6613, 0.3081, 0.3468



30.2294, 0.2911, 0.5681



1.9724, 0.2822, 0.5358

Inverse Universe

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



46.4001, 0.3274, 0.2829



59.3097, 0.3316, 0.2721



45.2270, 0.3514, 0.3131



13.2143, 0.3177, 0.3118



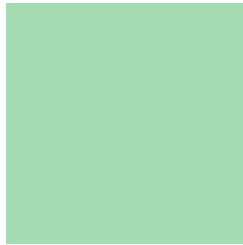
10.5020, 0.3990, 0.1972



0.6941, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 61.9170, 0.3007, 0.3800 looks on a white background.

Color Contrast Check

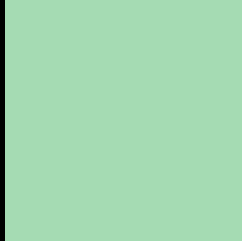
Large Text (above 18pt) WCAG AA × Fail

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 61.9170, 0.3007, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

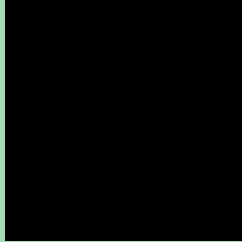
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

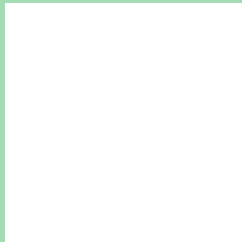
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.9170, 0.3007, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 61.9170, 0.3007, 0.3800.



This preview shows how white text looks on a background with the Yxy color 61.9170, 0.3007, 0.3800.

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**

61.9170, 0.3007, 0.3800

Protanopia

61.3929, 0.3464, 0.3674

Deuteranopia

61.2995, 0.3535, 0.3457



Tritanopia

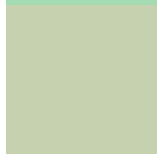
61.7428, 0.2757, 0.3087

Trichromacy



Original Color

61.9170, 0.3007, 0.3800



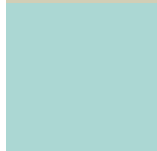
Protanomaly

61.1941, 0.3281, 0.3714



Deuteranomaly

61.0753, 0.3323, 0.3573



Tritanomaly

61.9620, 0.2847, 0.3338

Monochromacy



Original Color

61.9170, 0.3007, 0.3800



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.3433, 0.3081, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9170, 0.3007, 0.3800 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(165, 219, 179)` looks like.

```
.text, #text, p{  
    color:rgb(165, 219, 179)  
}
```

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(165, 219, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 219, 179) }
```

Border

The CSS property to change the border of an element to Yxy 61.9170, 0.3007, 0.3800 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(165, 219, 179) }
```

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

```
.border{ border-color:rgb(165, 219, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 219, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 219, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 219, 179);  
box-shadow:4px 4px 4px 4px rgb(165, 219,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9170, 0.3007, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 219, 179) }
```

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

```
.background{ background-color: rgb(165,  
219, 179) }
```

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