

Converting Colors

$Yxy(55.3296, 0.3022, 0.3876)$

Have a look what the booklet for
Yxy(55.3296, 0.3022, 0.3876)
contains.

Yxy(55.3227, 0.3021, 0.3869)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.3227, 0.3021, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	9BD1A6
RGB	155, 209, 166
RGB Percent	61%, 82%, 65%
CMY	0.3922, 0.1804, 0.3491
CMYK	0.26, 0.00, 0.21, 0.18
HSL	132°, 37%, 71%
HSV	132°, 26%, 82%
XYZ	43.1972, 55.3227, 44.4698
YIQ	187.9520, -18.3810, -24.8210

Conversions

Conversions Part 2

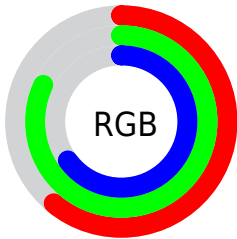
Format	Color
RYB	155, 200, 209
Decimal	10211750
CIELab	79.23, -26.04, 15.80
CIELCh	79, 30.455, 148.756
Yxy	55.3227, 0.3021, 0.3869
Android (android.graphics.Color)	4288401830 (0xFF9BD1A6)
YUV	187.9520, -10.8223, -28.8989
Hunter-Lab	74.3792, -26.4963, 16.6172

Details

The Yxy color **55.3227, 0.3021, 0.3869** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0714, 0.3255, 0.2773**, and the grayscale version is **50.3298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4421, 0.3043, 0.3651**, and **27.1509, 0.2981, 0.4033** is the 20% darker color. If you saturate the color by 10%, you get **52.8614, 0.2983, 0.4138**, and if you desaturate by 10%, it is **58.2256, 0.3062, 0.3624**.

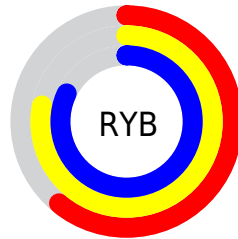
Distribution



Red (61%)

Green (82%)

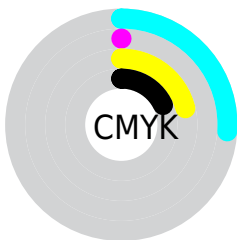
Blue (65%)



Red (61%)

Yellow (78%)

Blue (82%)

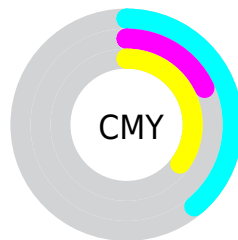


Cyan (26%)

Magenta (0%)

Yellow (21%)

Black (18%)



Cyan (39%)


Magenta (18%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3227, 0.3021, 0.3869 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 55.3227, 0.3021, 0.3869 by changing the saturation by 10% instead.


 55.3227, 0.3021,
0.3869


 55.3227, 0.3021,
0.3869

407.1340, 0.3078,
0.3577

 39.6601, 0.3006,
0.3943


 98.0136, 0.3043,
0.3762

 27.2737, 0.2985,
0.4037


 125.8107, 0.3050,
0.3723

 17.7789, 0.2957,
0.4164


158.4215, 0.3057,
0.3689

 10.7913, 0.2915,
0.4342

196.2304, 0.3062,
0.3660

 5.9267, 0.2849,
0.4608

239.6216, 0.3067,
0.3635

 2.8006, 0.2728,
0.5046

288.9797, 0.3071,

 1.0285, 0.2444,

0.3613

0.7499

344.6891, 0.3075,
0.3594

0.0000, 0.0000,
0.0000

55.3227, 0.3021,
0.3869

55.3227, 0.3021,
0.3869

52.8614, 0.2983,
0.4138

58.2256, 0.3062,
0.3624

50.8133, 0.2949,
0.4428

61.5831, 0.3103,
0.3406

49.1574, 0.2924,
0.4728

65.4163, 0.3144,
0.3213

47.8681, 0.2908,
0.5025

69.7427, 0.3183,
0.3045

46.9167, 0.2905,
0.5304

73.7181, 0.3188,
0.2895

■ 46.2699, 0.2915,
0.5548

■ 74.0855, 0.3148,
0.2841

■ 45.8872, 0.2937,
0.5740

■ 45.7767, 0.2946,
0.5805

Harmonies

Analogous

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



55.3227, 0.3421, 0.4013



55.3227, 0.3021, 0.3869



55.3227, 0.2665, 0.3534

Triad

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



55.3227, 0.3021, 0.3869



55.3227, 0.2516, 0.2660



55.3227, 0.3865, 0.3366

Complementary

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



55.3227, 0.3021, 0.3869



41.0714, 0.3255, 0.2773

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.



55.3227, 0.3592, 0.3049



55.3227, 0.3021, 0.3869



55.3227, 0.2803, 0.2655

Square

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



55.3227, 0.3021, 0.3869



55.3227, 0.2388, 0.2826



55.3227, 0.3195, 0.2795



55.3227, 0.3923, 0.3686

Rectangle

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



55.3227, 0.3021, 0.3869



55.3227, 0.2497, 0.3269



55.3227, 0.3195, 0.2795



55.3227, 0.3795, 0.3257

Sweetspot

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



55.3250, 0.3021, 0.3869



95.3316, 0.3094, 0.3452



60.0050, 0.3427, 0.3950



20.2286, 0.3088, 0.3485



0.0000, 0.0000, 0.0000



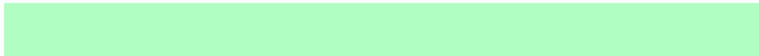
21.4041, 0.3127, 0.3290

Same Dimension

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



55.3250, 0.3021, 0.3869



84.5521, 0.2999, 0.4015



56.4138, 0.2850, 0.3501



13.2451, 0.3088, 0.3480



28.2332, 0.2940, 0.5784



1.5903, 0.2844, 0.5440

Inverse Universe

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



41.0714, 0.3255, 0.2773



58.5173, 0.3289, 0.2661



39.9414, 0.3511, 0.3090



11.9661, 0.3168, 0.3107



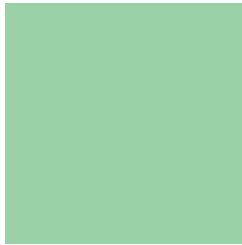
10.0798, 0.3798, 0.1866



0.5743, 0.3670, 0.1795

Previews

White Background



This preview shows how the Yxy color 55.3227, 0.3021, 0.3869 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 55.3227, 0.3021, 0.3869 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 55.3227, 0.3021, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 55.3227, 0.3021, 0.3869.

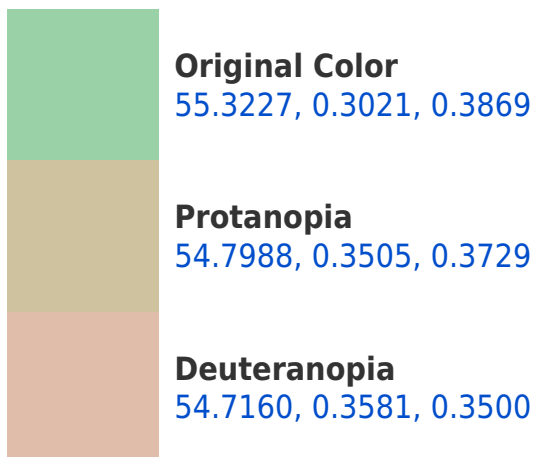


This preview shows how white text looks on a background with the Yxy color 55.3227, 0.3021, 0.3869.

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





Tritanopia

55.3023, 0.2754, 0.3090

Trichromacy



Original Color

55.3227, 0.3021, 0.3869

Protanomaly

54.6086, 0.3311, 0.3773

Deuteranomaly

54.4865, 0.3356, 0.3624

Tritanomaly

55.3632, 0.2848, 0.3367

Monochromacy



Original Color

55.3227, 0.3021, 0.3869

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

52.0052, 0.3086, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3227, 0.3021, 0.3869 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(155, 209, 166)` looks like.

```
.text, #text, p{  
    color:rgb(155, 209, 166)  
}
```

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(155, 209, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 209, 166) }
```

Border

The CSS property to change the border of an element to Yxy 55.3227, 0.3021, 0.3869 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(155, 209, 166) }
```

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

```
.border{ border-color:rgb(155, 209, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 209, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 209, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 209, 166);  
box-shadow:4px 4px 4px 4px rgb(155, 209,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3227, 0.3021, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 209, 166) }
```

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

```
.background{ background-color: rgb(155,  
209, 166) }
```

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