

Converting Colors

$Yxy(56.8844, 0.2999, 0.3936)$

Have a look what the booklet for
Yxy(56.8844, 0.2999, 0.3936)
contains.

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Color

Yxy(56.8844, 0.2999, 0.3936)

Conversions

Conversions Part 1

Format	Color
Hex	97D5A5
RGB	151, 213, 165
RGB Percent	59%, 84%, 65%
CMY	0.4080, 0.1647, 0.3529
CMYK	0.29, 0.00, 0.23, 0.16
HSL	134°, 42%, 71%
HSV	134°, 29%, 84%
XYZ	43.3426, 56.8844, 44.2964
YIQ	188.9900, -21.5440, -28.0720

Conversions

Conversions Part 2

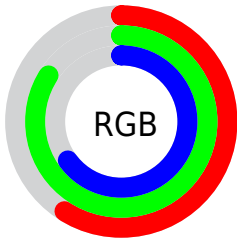
Format	Color
RYB	151, 202, 213
Decimal	9950629
CIELab	80.11, -29.43, 17.52
CIELCh	80, 34.253, 149.237
Yxy	56.8844, 0.2999, 0.3936
Android (android.graphics.Color)	4288140709 (0xFF97D5A5)
YUV	188.9900, -11.8271, -33.3172
Hunter-Lab	75.4217, -29.4096, 17.9732

Details

The Yxy color **56.8844, 0.2999, 0.3936** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.3886, 0.3288, 0.2721**, and the grayscale version is **50.9574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8091, 0.3025, 0.3664**, and **28.2426, 0.2956, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **54.4683, 0.2960, 0.4205**, and if you desaturate by 10%, it is **59.7507, 0.3042, 0.3690**.

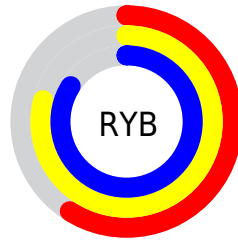
Distribution



Red (59%)

Green (84%)

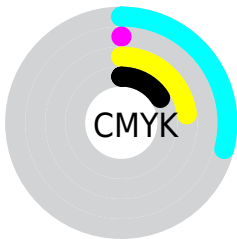
Blue (65%)



Red (59%)

Yellow (79%)

Blue (84%)

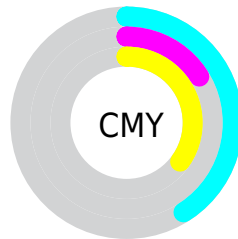


Cyan (29%)

Magenta (0%)

Yellow (23%)

Black (16%)



Cyan (41%)


Magenta (16%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8844, 0.2999, 0.3936 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 56.8844, 0.2999, 0.3936 by changing the saturation by 10% instead.

 56.8844, 0.2999,
0.3936

 56.8844, 0.2999,
0.3936


413.0160, 0.3068,
0.3611

 40.9124, 0.2981,
0.4018


 100.2965, 0.3025,
0.3817

 28.2507, 0.2956,
0.4123


 128.5054, 0.3034,
0.3773

 18.5147, 0.2922,
0.4264

161.5621, 0.3042,
0.3735

 11.3201, 0.2872,
0.4460

199.8510, 0.3049,
0.3703

 6.2826, 0.2794,
0.4754

243.7564, 0.3055,
0.3675

 3.0177, 0.2652,
0.5233

293.6628, 0.3060,

 1.1410, 0.2326,

0.3651

0.7674

349.9545, 0.3064,
0.3630

0.0127, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.8844, 0.2999,
0.3936

56.8844, 0.2999,
0.3936

54.4683, 0.2960,
0.4205

59.7507, 0.3042,
0.3690

52.4725, 0.2926,
0.4491

63.0813, 0.3087,
0.3469

50.8746, 0.2903,
0.4785

66.8982, 0.3131,
0.3274

49.6471, 0.2890,
0.5074

71.2200, 0.3174,
0.3103

■ 48.7590, 0.2892,
0.5341

■ 75.5946, 0.3198,
0.2952

■ 48.1737, 0.2908,
0.5571

■ 76.0747, 0.3146,
0.2881

■ 47.8341, 0.2933,
0.5753

■ 47.8101, 0.2935,
0.5766

Harmonies

Analogous

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



56.8844, 0.3443, 0.4099



56.8844, 0.2999, 0.3936



56.8844, 0.2608, 0.3554

Triad

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



56.8844, 0.2999, 0.3936



56.8844, 0.2454, 0.2590



56.8844, 0.3954, 0.3375

Complementary

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



56.8844, 0.2999, 0.3936



40.3886, 0.3288, 0.2721

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.



56.8844, 0.3651, 0.3027



56.8844, 0.2999, 0.3936



56.8844, 0.2772, 0.2590

Square

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



56.8844, 0.2999, 0.3936



56.8844, 0.2311, 0.2768



56.8844, 0.3208, 0.2747



56.8844, 0.4013, 0.3729

Rectangle

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



56.8844, 0.2999, 0.3936



56.8844, 0.2425, 0.3256



56.8844, 0.3208, 0.2747



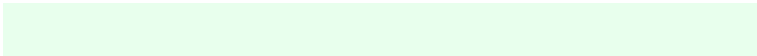
56.8844, 0.3877, 0.3255

Sweetspot

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



56.8868, 0.2999, 0.3936



94.8131, 0.3087, 0.3469



62.0475, 0.3457, 0.4040



20.1267, 0.3080, 0.3499



0.0000, 0.0000, 0.0000



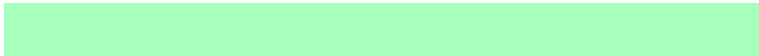
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8868, 0.2999, 0.3936



83.1436, 0.2974, 0.4101



58.1294, 0.2811, 0.3518



13.9416, 0.3085, 0.3475



29.2136, 0.2929, 0.5744



1.7748, 0.2836, 0.5410

Inverse Universe

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



40.3886, 0.3288, 0.2721



54.4275, 0.3332, 0.2598



39.1143, 0.3587, 0.3075



12.5823, 0.3172, 0.3111



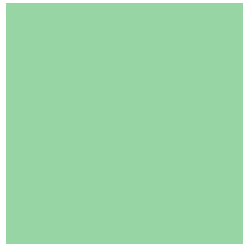
10.3114, 0.3876, 0.1909



0.6340, 0.3738, 0.1833

Previews

White Background



This preview shows how the Yxy color 56.8844, 0.2999, 0.3936 looks on a white background.

Color Contrast Check

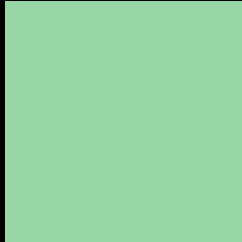
Large Text (above 18pt) WCAG AA × Fail

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 56.8844, 0.2999, 0.3936 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

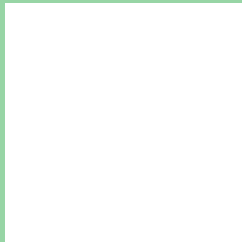
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8844, 0.2999, 0.3936

Background



This preview shows how black text looks on a background with the Yxy color 56.8844, 0.2999, 0.3936.



This preview shows how white text looks on a background with the Yxy color 56.8844, 0.2999, 0.3936.

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

56.8844, 0.2999, 0.3936

Protanopia

56.5584, 0.3530, 0.3771

Deuteranopia

56.0601, 0.3601, 0.3521



Tritanopia

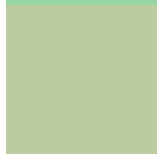
56.6180, 0.2714, 0.3078

Trichromacy



Original Color

56.8844, 0.2999, 0.3936



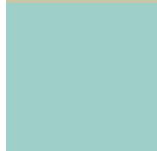
Protanomaly

56.1039, 0.3321, 0.3820



Deuteranomaly

55.3574, 0.3360, 0.3661



Tritanomaly

56.5979, 0.2818, 0.3379

Monochromacy



Original Color

56.8844, 0.2999, 0.3936



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.7974, 0.3077, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8844, 0.2999, 0.3936 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, 213, 165)` looks like.

```
.text, #text, p{  
    color:rgb(151, 213, 165)  
}
```

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, 213, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 213, 165) }
```

Border

The CSS property to change the border of an element to Yxy 56.8844, 0.2999, 0.3936 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, 213, 165) }
```

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

```
.border{ border-color:rgb(151, 213, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 213, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 213, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 213, 165);  
box-shadow:4px 4px 4px 4px rgb(151, 213,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8844, 0.2999, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 213, 165) }
```

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

```
.background{ background-color: rgb(151,  
213, 165) }
```

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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