

Converting Colors

Yxy(62.8991, 0.3136, 0.4290)

Have a look what the booklet for
Yxy(62.8991, 0.3136, 0.4290)
contains.

Yxy(63.1566, 0.3139, 0.4293)	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(63.1566, 0.3139, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	9DE194
RGB	157, 225, 148
RGB Percent	62%, 88%, 58%
CMY	0.3842, 0.1176, 0.4195
CMYK	0.30, 0.00, 0.34, 0.12
HSL	113°, 56%, 73%
HSV	113°, 34%, 88%
XYZ	46.1795, 63.1566, 37.7792
YIQ	195.8900, -15.8110, -38.3630

Conversions

Conversions Part 2

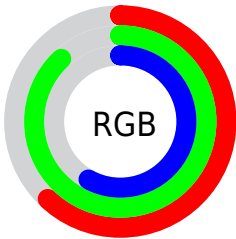
Format	Color
RYB	148, 225, 216
Decimal	10346900
CIELab	83.52, -35.91, 31.06
CIELCh	84, 47.478, 139.148
Yxy	63.1566, 0.3139, 0.4293
Android (android.graphics.Color)	4288536980 (0xFF9DE194)
YUV	195.8900, -23.6098, -34.1065
Hunter-Lab	79.4711, -35.3508, 27.4443

Details

The Yxy color **63.1566, 0.3139, 0.4293** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.2185, 0.3086, 0.2423**, and the grayscale version is **55.2888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9779, 0.3163, 0.3846**, and **32.1040, 0.3123, 0.4579** is the 20% darker color. If you saturate the color by 10%, you get **60.6757, 0.3135, 0.4639**, and if you desaturate by 10%, it is **66.1063, 0.3139, 0.3965**.

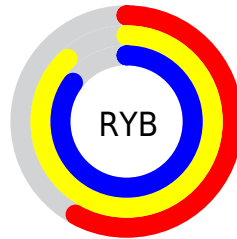
Distribution



Red (62%)

Green (88%)

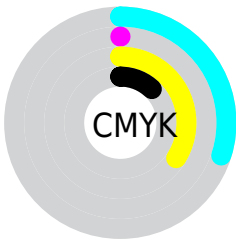
Blue (58%)



Red (58%)

Yellow (88%)

Blue (85%)

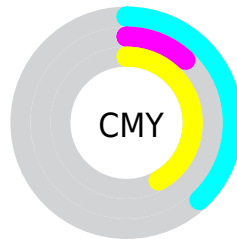


Cyan (30%)

Magenta (0%)

Yellow (34%)

Black (12%)



Cyan (38%)


Magenta (12%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1566, 0.3139, 0.4293 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 63.1566, 0.3139, 0.4293 by changing the saturation by 10% instead.


 63.1566, 0.3139,
0.4293


 63.1566, 0.3139,
0.4293


436.1376, 0.3149,
0.3791

 45.9679, 0.3132,
0.4417


 109.3954, 0.3146,
0.4111

 32.2205, 0.3120,
0.4575


 139.2143, 0.3148,
0.4043

 21.5300, 0.3099,
0.4783


174.0121, 0.3149,
0.3985

 13.5119, 0.3063,
0.5066

214.1731, 0.3149,
0.3935

 7.7820, 0.2993,
0.5472

260.0818, 0.3149,
0.3892

 3.9558, 0.2857,
0.6116

312.1225, 0.3149,

 1.6489, 0.2489,

0.3854

0.7511

370.6796, 0.3149,
0.3821

0.3902, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.1566, 0.3139,
0.4293

63.1566, 0.3139,
0.4293

60.6757, 0.3135,
0.4639

66.1063, 0.3139,
0.3965

58.6318, 0.3125,
0.4986

69.5388, 0.3136,
0.3664

57.0017, 0.3110,
0.5312

73.4773, 0.3130,
0.3394

55.7568, 0.3089,
0.5593

77.9413, 0.3123,
0.3156

■ 54.8648, 0.3064,
0.5804

■ 82.3300, 0.3141,
0.2999

■ 54.2879, 0.3038,
0.5935

■ 54.0740, 0.3026,
0.5980

Harmonies

Analogous

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



63.1566, 0.3716, 0.4368



63.1566, 0.3139, 0.4293



63.1566, 0.2588, 0.3846

Triad

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



63.1566, 0.3139, 0.4293



63.1566, 0.2160, 0.2420



63.1566, 0.4133, 0.3227

Complementary

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



63.1566, 0.3139, 0.4293



41.2185, 0.3086, 0.2423

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.



63.1566, 0.3635, 0.2806



63.1566, 0.3139, 0.4293



63.1566, 0.2493, 0.2357

Square

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



63.1566, 0.3139, 0.4293



63.1566, 0.2059, 0.2714



63.1566, 0.3022, 0.2498



63.1566, 0.4325, 0.3689

Rectangle

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



63.1566, 0.3139, 0.4293



63.1566, 0.2308, 0.3436



63.1566, 0.3022, 0.2498



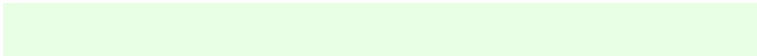
63.1566, 0.3993, 0.3078

Sweetspot

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



63.1593, 0.3139, 0.4293



94.4421, 0.3134, 0.3548



66.6120, 0.3676, 0.4039



20.0593, 0.3134, 0.3587



0.0000, 0.0000, 0.0000



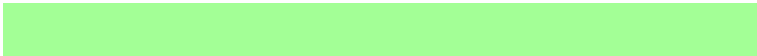
21.4041, 0.3127, 0.3290

Same Dimension

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



63.1593, 0.3139, 0.4293



81.4899, 0.3136, 0.4536



63.2917, 0.2915, 0.3925



15.4137, 0.3133, 0.3531



31.1861, 0.3031, 0.5976



2.1875, 0.3102, 0.5919

Inverse Universe

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



41.2185, 0.3086, 0.2423



48.1895, 0.3072, 0.2246



41.2131, 0.3428, 0.2733



13.8500, 0.3119, 0.3058



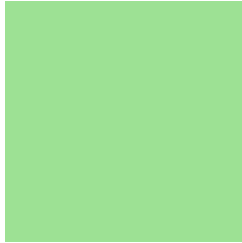
10.1368, 0.2917, 0.1380



0.7260, 0.2965, 0.1407

Previews

White Background



This preview shows how the Yxy color 63.1566, 0.3139, 0.4293 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 63.1566, 0.3139, 0.4293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

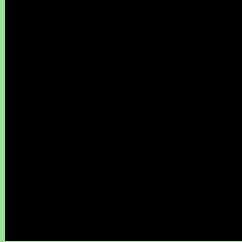
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.1566, 0.3139, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 63.1566, 0.3139, 0.4293.

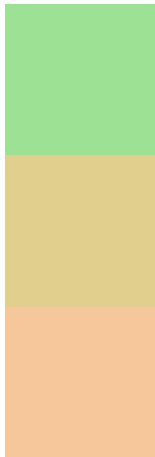


This preview shows how white text looks on a background with the Yxy color 63.1566, 0.3139, 0.4293.

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

63.1566, 0.3139, 0.4293

Protanopia

62.3960, 0.3746, 0.4040

Deuteranopia

62.5924, 0.3855, 0.3775



Tritanopia

63.1977, 0.2730, 0.3088

Trichromacy



Original Color

63.1566, 0.3139, 0.4293



Protanomaly

62.3861, 0.3505, 0.4134



Deuteranomaly

61.5249, 0.3572, 0.3948



Tritanomaly

63.0956, 0.2885, 0.3513

Monochromacy



Original Color

63.1566, 0.3139, 0.4293



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.8254, 0.3133, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1566, 0.3139, 0.4293 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(157, 225, 148)` looks like.

```
.text, #text, p{  
    color:rgb(157, 225, 148)  
}
```

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(157, 225, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 225, 148) }
```

Border

The CSS property to change the border of an element to Yxy 63.1566, 0.3139, 0.4293 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(157, 225, 148) }
```

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

```
.border{ border-color:rgb(157, 225, 148) }
```

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

Here you see how a box with a 4 pixel rgb(157, 225, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 225, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 225, 148);  
box-shadow:4px 4px 4px 4px rgb(157, 225,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1566, 0.3139, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 225, 148) }
```

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

```
.background{ background-color: rgb(157,  
225, 148) }
```

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