

Converting Colors

$Yxy(57.4957, 0.3022, 0.3995)$

Have a look what the booklet for
Yxy(57.4957, 0.3022, 0.3995)
contains.

Yxy(57.2811, 0.3018, 0.3990)	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(57.2811, 0.3018, 0.3990)

Conversions

Conversions Part 1

Format	Color
Hex	97D6A2
RGB	151, 214, 162
RGB Percent	59%, 84%, 64%
CMY	0.4079, 0.1607, 0.3647
CMYK	0.29, 0.00, 0.24, 0.16
HSL	130°, 43%, 72%
HSV	130°, 29%, 84%
XYZ	43.3269, 57.2811, 42.9536
YIQ	189.2350, -20.8560, -29.5280

Conversions

Conversions Part 2

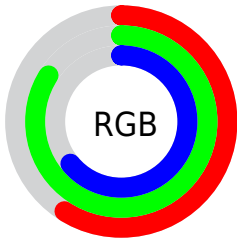
Format	Color
RYB	151, 205, 214
Decimal	9950882
CIELab	80.34, -30.44, 19.42
CIELCh	80, 36.106, 147.467
Yxy	57.2811, 0.3018, 0.3990
Android (android.graphics.Color)	4288140962 (0xFF97D6A2)
YUV	189.2350, -13.4269, -33.5321
Hunter-Lab	75.6843, -30.2618, 19.3297

Details

The Yxy color **57.2811, 0.3018, 0.3990** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7341, 0.3260, 0.2679**, and the grayscale version is **51.1159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7952, 0.3047, 0.3697**, and **28.5187, 0.2980, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **54.8342, 0.2984, 0.4278**, and if you desaturate by 10%, it is **60.1926, 0.3055, 0.3726**.

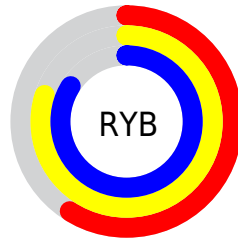
Distribution



Red (59%)

Green (84%)

Blue (64%)



Red (59%)

Yellow (80%)

Blue (84%)

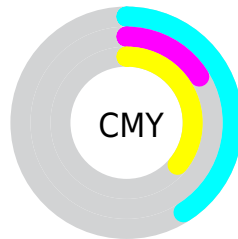


Cyan (29%)

Magenta (0%)

Yellow (24%)

Black (16%)



Cyan (41%)


Magenta (16%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2811, 0.3018, 0.3990 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 57.2811, 0.3018, 0.3990 by changing the saturation by 10% instead.

 57.2811, 0.3018,
0.3990


 57.2811, 0.3018,
0.3990


414.5018, 0.3078,
0.3637

 41.2310, 0.3001,
0.4079


 100.8752, 0.3041,
0.3861

 28.4996, 0.2978,
0.4193

 129.1880, 0.3050,
0.3813

 18.7026, 0.2947,
0.4346


162.3572, 0.3057,
0.3772

 11.4556, 0.2899,
0.4559

200.7670, 0.3062,
0.3737

 6.3741, 0.2822,
0.4876

244.8020, 0.3067,
0.3707

 3.0739, 0.2680,
0.5391

294.8466, 0.3072,

 1.1704, 0.2275,

0.3681

0.7725

351.2850, 0.3075,
0.3658

■ 0.0374, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2811, 0.3018,
0.3990

■ 57.2811, 0.3018,
0.3990

■ 54.8342, 0.2984,
0.4278

■ 60.1926, 0.3055,
0.3726

■ 52.8210, 0.2956,
0.4583

■ 63.5836, 0.3092,
0.3489

■ 51.2179, 0.2935,
0.4893

■ 67.4770, 0.3129,
0.3279

■ 49.9961, 0.2924,
0.5192

■ 71.8924, 0.3165,
0.3096

■ 49.1232, 0.2925,
0.5461

■ 76.2783, 0.3178,
0.2935

■ 48.5610, 0.2938,
0.5682

■ 76.5779, 0.3146,
0.2891

■ 48.2479, 0.2958,
0.5844

■ 48.2342, 0.2959,
0.5851

Harmonies

Analogous

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



57.2811, 0.3484, 0.4144



57.2811, 0.3018, 0.3990



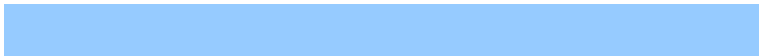
57.2811, 0.2602, 0.3595

Triad

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



57.2811, 0.3018, 0.3990



57.2811, 0.2407, 0.2562



57.2811, 0.3985, 0.3355

Complementary

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



57.2811, 0.3018, 0.3990



40.7341, 0.3260, 0.2679

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.



57.2811, 0.3653, 0.2993



57.2811, 0.3018, 0.3990



57.2811, 0.2730, 0.2553

Square

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



57.2811, 0.3018, 0.3990



57.2811, 0.2270, 0.2757



57.2811, 0.3183, 0.2708



57.2811, 0.4063, 0.3727

Rectangle

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



57.2811, 0.3018, 0.3990



57.2811, 0.2404, 0.3280



57.2811, 0.3183, 0.2708



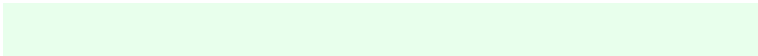
57.2811, 0.3898, 0.3230

Sweetspot

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



57.2835, 0.3018, 0.3990



94.7440, 0.3093, 0.3481



63.0989, 0.3485, 0.4043



20.1098, 0.3088, 0.3514



0.0000, 0.0000, 0.0000



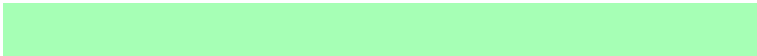
21.4041, 0.3127, 0.3290

Same Dimension

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



57.2835, 0.3018, 0.3990



82.9509, 0.2998, 0.4157



58.5251, 0.2827, 0.3563



13.9311, 0.3092, 0.3488



29.1623, 0.2953, 0.5832



1.7699, 0.2870, 0.5533

Inverse Universe

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



40.7341, 0.3260, 0.2679



54.6969, 0.3293, 0.2556



39.4010, 0.3562, 0.3035



12.5937, 0.3164, 0.3100



10.5634, 0.3704, 0.1814



0.6472, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 57.2811, 0.3018, 0.3990 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 57.2811, 0.3018, 0.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

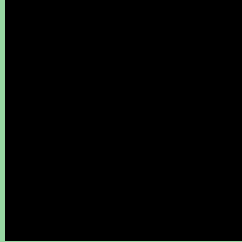
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.2811, 0.3018, 0.3990

Background



This preview shows how black text looks on a background with the Yxy color 57.2811, 0.3018, 0.3990.

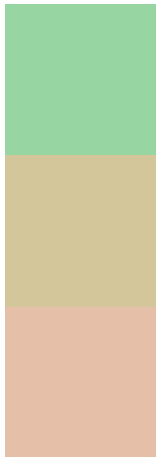


This preview shows how white text looks on a background with the Yxy color 57.2811, 0.3018, 0.3990.

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

57.2811, 0.3018, 0.3990

Protanopia

56.7518, 0.3571, 0.3804

Deuteranopia

56.7096, 0.3641, 0.3565



Tritanopia

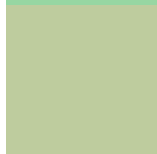
57.0979, 0.2715, 0.3091

Trichromacy



Original Color

57.2811, 0.3018, 0.3990



Protanomaly

56.6015, 0.3349, 0.3869



Deuteranomaly

55.9810, 0.3398, 0.3708



Tritanomaly

57.0402, 0.2825, 0.3405

Monochromacy



Original Color

57.2811, 0.3018, 0.3990



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.7568, 0.3084, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2811, 0.3018, 0.3990 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, 214, 162)` looks like.

```
.text, #text, p{  
    color:rgb(151, 214, 162)  
}
```

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, 214, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 214, 162) }
```

Border

The CSS property to change the border of an element to Yxy 57.2811, 0.3018, 0.3990 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, 214, 162) }
```

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

```
.border{ border-color:rgb(151, 214, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 214, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 214, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 214, 162);  
box-shadow:4px 4px 4px 4px rgb(151, 214,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2811, 0.3018, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 214, 162) }
```

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

```
.background{ background-color: rgb(151,  
214, 162) }
```

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