

Converting Colors

Yxy(62.9480, 0.3080, 0.4149)

Have a look what the booklet for
Yxy(62.9480, 0.3080, 0.4149)
contains.

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Color

Yxy(62.9480, 0.3080, 0.4149)

Conversions

Conversions Part 1

Format	Color
Hex	9DE09E
RGB	157, 224, 158
RGB Percent	62%, 88%, 62%
CMY	0.3844, 0.1215, 0.3803
CMYK	0.30, 0.00, 0.29, 0.12
HSL	121°, 52%, 75%
HSV	121°, 30%, 88%
XYZ	46.7293, 62.9480, 42.0412
YIQ	196.4430, -18.7460, -34.7300

Conversions

Conversions Part 2

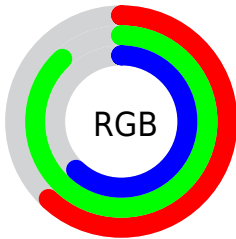
Format	Color
RYB	157, 223, 224
Decimal	10346654
CIELab	83.42, -33.89, 25.77
CIELCh	83, 42.571, 142.748
Yxy	62.9480, 0.3080, 0.4149
Android (android.graphics.Color)	4288536734 (0xFF9DE09E)
YUV	196.4430, -18.9524, -34.5915
Hunter-Lab	79.3398, -33.7122, 24.1208

Details

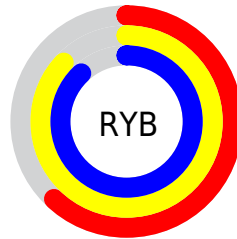
The Yxy color **62.9480, 0.3080, 0.4149** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.2809, 0.3171, 0.2559**, and the grayscale version is **55.6055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4702, 0.3106, 0.3736**, and **31.9294, 0.3051, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **60.2080, 0.3062, 0.4494**, and if you desaturate by 10%, it is **66.2426, 0.3097, 0.3829**.

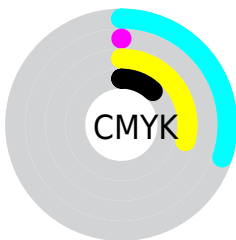
Distribution



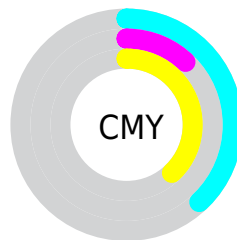
- Red (62%)
- Green (88%)
- Blue (62%)



- Red (62%)
- Yellow (87%)
- Blue (88%)



- Cyan (30%)
- Magenta (0%)
- Yellow (29%)
- Black (12%)





- Cyan (38%)
- Magenta (12%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9480, 0.3080, 0.4149 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 62.9480, 0.3080, 0.4149 by changing the saturation by 10% instead.

 62.9480, 0.3080,
0.4149


 62.9480, 0.3080,
0.4149


435.3807, 0.3114,
0.3720

 45.7991, 0.3069,
0.4255


 109.0945, 0.3095,
0.3994

 32.0873, 0.3052,
0.4390


 138.8609, 0.3099,
0.3935

 21.4282, 0.3028,
0.4569


173.6020, 0.3103,
0.3886

 13.4374, 0.2989,
0.4814

213.7021, 0.3106,
0.3843

 7.7304, 0.2921,
0.5169

259.5456, 0.3109,
0.3807

 3.9229, 0.2789,
0.5720

311.5170, 0.3111,

 1.6305, 0.2638,

0.3774

370.0005, 0.3112,
0.3746

0.7362

0.3781, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.9480, 0.3080,
0.4149

62.9480, 0.3080,
0.4149

60.2080, 0.3062,
0.4494

66.2426, 0.3097,
0.3829

57.9848, 0.3044,
0.4850

70.1115, 0.3113,
0.3541

56.2482, 0.3028,
0.5196

74.5831, 0.3127,
0.3288

54.9619, 0.3014,
0.5505

79.6816, 0.3140,
0.3068

■ 54.0843, 0.3005,
0.5749

■ 81.7957, 0.3141,
0.2990

■ 53.5661, 0.3000,
0.5911

■ 53.3248, 0.2998,
0.5992

■ 53.3233, 0.2998,
0.5992

Harmonies

Analogous

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



62.9480, 0.3605, 0.4266



62.9480, 0.3080, 0.4149



62.9480, 0.2592, 0.3723

Triad

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



62.9480, 0.3080, 0.4149



62.9480, 0.2275, 0.2485



62.9480, 0.4066, 0.3289

Complementary

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



62.9480, 0.3080, 0.4149



45.2809, 0.3171, 0.2559

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.



62.9480, 0.3648, 0.2895



62.9480, 0.3080, 0.4149



62.9480, 0.2605, 0.2448

Square

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



62.9480, 0.3080, 0.4149



62.9480, 0.2156, 0.2732



62.9480, 0.3101, 0.2596



62.9480, 0.4202, 0.3711

Rectangle

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



62.9480, 0.3080, 0.4149



62.9480, 0.2351, 0.3358



62.9480, 0.3101, 0.2596



62.9480, 0.3952, 0.3151

Sweetspot

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



62.9507, 0.3080, 0.4149



94.5334, 0.3114, 0.3518



71.5978, 0.3578, 0.4035



20.0584, 0.3112, 0.3558



0.0000, 0.0000, 0.0000



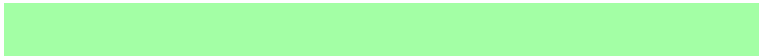
21.4041, 0.3127, 0.3290

Same Dimension

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



62.9507, 0.3080, 0.4149



82.0305, 0.3069, 0.4366



64.2208, 0.2887, 0.3715



15.3407, 0.3114, 0.3528



31.0370, 0.2997, 0.5990



2.1525, 0.2989, 0.5959

Inverse Universe

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



45.2809, 0.3171, 0.2559



54.6542, 0.3180, 0.2408



43.6941, 0.3464, 0.2903



13.9318, 0.3140, 0.3063



12.2501, 0.3248, 0.1563



0.8503, 0.3242, 0.1559

Previews

White Background



This preview shows how the Yxy color 62.9480, 0.3080, 0.4149 looks on a white background.

Color Contrast Check

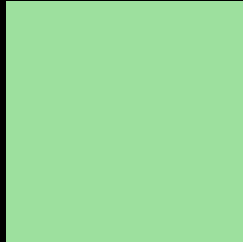
Large Text (above 18pt) WCAG AA × Fail

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 62.9480, 0.3080, 0.4149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

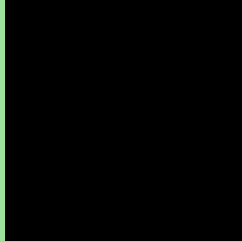
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.9480, 0.3080, 0.4149

Background



This preview shows how black text looks on a background with the Yxy color 62.9480, 0.3080, 0.4149.



This preview shows how white text looks on a background with the Yxy color 62.9480, 0.3080, 0.4149.

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

62.9480, 0.3080, 0.4149

Protanopia

62.5156, 0.3672, 0.3941

Deuteranopia

62.3684, 0.3759, 0.3683



Tritanopia

62.9731, 0.2718, 0.3087

Trichromacy



Original Color

62.9480, 0.3080, 0.4149



Protanomaly

62.0305, 0.3438, 0.4016



Deuteranomaly

61.5338, 0.3490, 0.3845



Tritanomaly

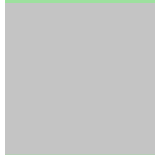
62.5499, 0.2847, 0.3451

Monochromacy



Original Color

62.9480, 0.3080, 0.4149



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.4651, 0.3113, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9480, 0.3080, 0.4149 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, 224, 158)` looks like.

```
.text, #text, p{  
    color:rgb(157, 224, 158)  
}
```

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, 224, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 224, 158) }
```

Border

The CSS property to change the border of an element to Yxy 62.9480, 0.3080, 0.4149 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, 224, 158) }
```

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

```
.border{ border-color:rgb(157, 224, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 224, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 224, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 224, 158);  
box-shadow:4px 4px 4px 4px rgb(157, 224,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9480, 0.3080, 0.4149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 224, 158) }
```

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

```
.background{ background-color: rgb(157,  
224, 158) }
```

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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