

Converting Colors

Yxy(69.9942, 0.3093, 0.4318)

Have a look what the booklet for
Yxy(69.9942, 0.3093, 0.4318)
contains.

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Color

Yxy(70.2040, 0.3097, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	9EED9B
RGB	158, 237, 155
RGB Percent	62%, 93%, 61%
CMY	0.3805, 0.0705, 0.3923
CMYK	0.33, 0.00, 0.35, 0.07
HSL	118°, 70%, 77%
HSV	118°, 35%, 93%
XYZ	50.2942, 70.2040, 41.8983
YIQ	204.0310, -20.7620, -42.2500

Conversions

Conversions Part 2

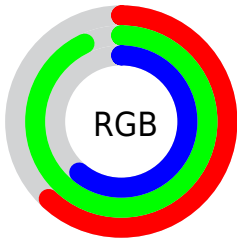
Format	Color
RYB	155, 237, 234
Decimal	10415515
CIELab	87.10, -39.97, 32.28
CIELCh	87, 51.375, 141.070
Yxy	70.2040, 0.3097, 0.4323
Android (android.graphics.Color)	4288605595 (0xFF9EED9B)
YUV	204.0310, -24.1723, -40.3692
Hunter-Lab	83.7878, -39.4829, 29.0034

Details

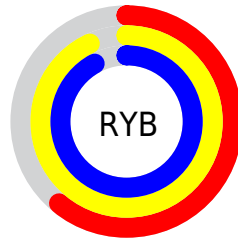
The Yxy color **70.2040, 0.3097, 0.4323** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.0457, 0.3142, 0.2425**, and the grayscale version is **60.5653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6202, 0.3136, 0.3768**, and **36.9106, 0.3065, 0.4606** is the 20% darker color. If you saturate the color by 10%, you get **67.3833, 0.3084, 0.4678**, and if you desaturate by 10%, it is **73.6172, 0.3108, 0.3986**.

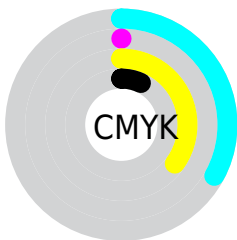
Distribution



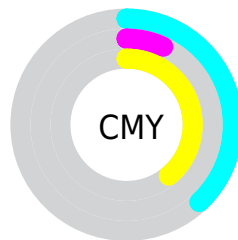
- Red (62%)
- Green (93%)
- Blue (61%)



- Red (61%)
- Yellow (93%)
- Blue (92%)



- Cyan (33%)
- Magenta (0%)
- Yellow (35%)
- Black (7%)





- Cyan (38%)
- Magenta (7%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2040, 0.3097, 0.4323 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 70.2040, 0.3097, 0.4323 by changing the saturation by 10% instead.

 70.2040, 0.3097,
0.4323


 70.2040, 0.3097,
0.4323


461.2660, 0.3128,
0.3814

 51.6929, 0.3085,
0.4446


 119.4996, 0.3111,
0.4140

 36.7603, 0.3068,
0.4603


 151.0529, 0.3116,
0.4071

 25.0220, 0.3041,
0.4806


187.7224, 0.3119,
0.4012

 16.0934, 0.2997,
0.5079

229.8924, 0.3122,
0.3962

 9.5903, 0.2921,
0.5465

277.9473, 0.3124,
0.3918

 5.1282, 0.2774,
0.6037

332.2717, 0.3125,

 2.3227, 0.2617,

0.3879

0.7383

393.2497, 0.3127,
0.3845

0.7857, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.2040, 0.3097,
0.4323

70.2040, 0.3097,
0.4323

67.3833, 0.3084,
0.4678

73.6172, 0.3108,
0.3986

65.1131, 0.3069,
0.5034

77.6444, 0.3117,
0.3679

63.3601, 0.3052,
0.5365

82.3170, 0.3124,
0.3405

62.0834, 0.3036,
0.5644

87.6615, 0.3130,
0.3165

■ 61.2365, 0.3021,
0.5847

■ 89.0556, 0.3135,
0.3117

■ 60.7629, 0.3009,
0.5962

■ 60.6313, 0.3006,
0.5995

Harmonies

Analogous

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



70.2040, 0.3701, 0.4423



70.2040, 0.3097, 0.4323



70.2040, 0.2532, 0.3832

Triad

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



70.2040, 0.3097, 0.4323



70.2040, 0.2137, 0.2373



70.2040, 0.4202, 0.3251

Complementary

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



70.2040, 0.3097, 0.4323



47.0457, 0.3142, 0.2425

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.



70.2040, 0.3696, 0.2812



70.2040, 0.3097, 0.4323



70.2040, 0.2496, 0.2324

Square

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



70.2040, 0.3097, 0.4323



70.2040, 0.2017, 0.2660



70.2040, 0.3056, 0.2483



70.2040, 0.4377, 0.3731

Rectangle

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



70.2040, 0.3097, 0.4323



70.2040, 0.2251, 0.3398



70.2040, 0.3056, 0.2483



70.2040, 0.4063, 0.3096

Sweetspot

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



70.2070, 0.3097, 0.4323



94.0993, 0.3121, 0.3549



78.5996, 0.3662, 0.4114



19.9772, 0.3120, 0.3588



0.0000, 0.0000, 0.0000



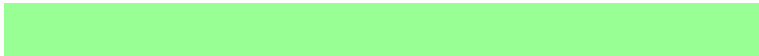
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2070, 0.3097, 0.4323



80.3115, 0.3087, 0.4590



71.3427, 0.2875, 0.3848



16.8883, 0.3121, 0.3533



33.1107, 0.3008, 0.5994



2.6092, 0.3030, 0.5976

Inverse Universe

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



47.0457, 0.3142, 0.2425



48.8954, 0.3143, 0.2245



45.6157, 0.3498, 0.2795



15.2842, 0.3132, 0.3058



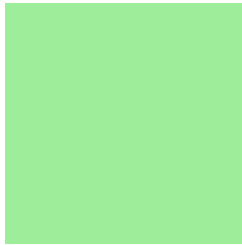
12.3886, 0.3118, 0.1492



0.9816, 0.3132, 0.1499

Previews

White Background



This preview shows how the Yxy color 70.2040, 0.3097, 0.4323 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 70.2040, 0.3097, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

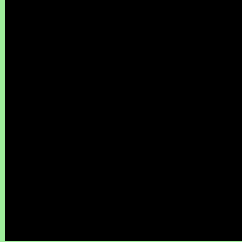
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2040, 0.3097, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 70.2040, 0.3097, 0.4323.



This preview shows how white text looks on a background with the Yxy color 70.2040, 0.3097, 0.4323.

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

70.2040, 0.3097, 0.4323

Protanopia

69.3945, 0.3755, 0.4050

Deuteranopia

69.5413, 0.3822, 0.3757



Tritanopia

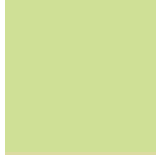
69.9230, 0.2689, 0.3083

Trichromacy



Original Color

70.2040, 0.3097, 0.4323



Protanomaly

68.7787, 0.3493, 0.4150



Deuteranomaly

68.4519, 0.3533, 0.3947



Tritanomaly

69.6719, 0.2834, 0.3505

Monochromacy



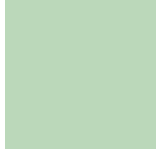
Original Color

70.2040, 0.3097, 0.4323



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.2217, 0.3117, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2040, 0.3097, 0.4323 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(158, 237, 155)` looks like.

```
.text, #text, p{  
    color:rgb(158, 237, 155)  
}
```

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(158, 237, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 237, 155) }
```

Border

The CSS property to change the border of an element to Yxy 70.2040, 0.3097, 0.4323 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(158, 237, 155) }
```

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

```
.border{ border-color:rgb(158, 237, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 237, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 237, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 237, 155);  
box-shadow:4px 4px 4px 4px rgb(158, 237,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2040, 0.3097, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 237, 155) }
```

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

```
.background{ background-color: rgb(158,  
237, 155) }
```

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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