

Converting Colors

Yxy(64.3382, 0.3092, 0.4217)

Have a look what the booklet for
Yxy(64.3382, 0.3092, 0.4217)
contains.

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Color

Yxy(64.4728, 0.3096, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	9DE39B
RGB	157, 227, 155
RGB Percent	62%, 89%, 61%
CMY	0.3844, 0.1098, 0.3920
CMYK	0.31, 0.00, 0.32, 0.11
HSL	118°, 56%, 75%
HSV	118°, 32%, 89%
XYZ	47.2892, 64.4728, 40.9809
YIQ	197.8620, -18.6080, -37.2320

Conversions

Conversions Part 2

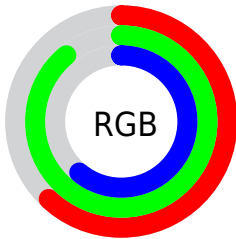
Format	Color
RYB	155, 227, 225
Decimal	10347419
CIELab	84.21, -35.75, 28.38
CIELCh	84, 45.642, 141.557
Yxy	64.4728, 0.3096, 0.4221
Android (android.graphics.Color)	4288537499 (0xFF9DE39B)
YUV	197.8620, -21.1310, -35.8360
Hunter-Lab	80.2950, -35.3897, 25.9460

Details

The Yxy color **64.4728, 0.3096, 0.4221** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.0235, 0.3147, 0.2500**, and the grayscale version is **56.5232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3193, 0.3123, 0.3769**, and **32.9887, 0.3071, 0.4482** is the 20% darker color. If you saturate the color by 10%, you get **61.7585, 0.3082, 0.4572**, and if you desaturate by 10%, it is **67.7377, 0.3108, 0.3892**.

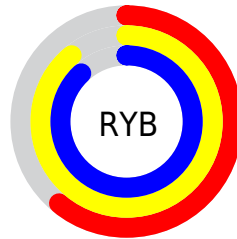
Distribution



Red (62%)

Green (89%)

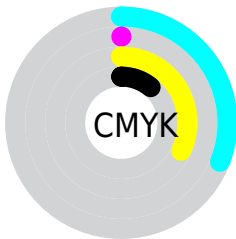
Blue (61%)



Red (61%)

Yellow (89%)

Blue (88%)

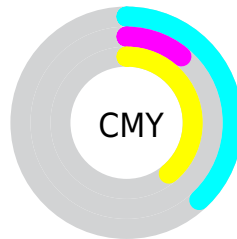


Cyan (31%)

Magenta (0%)

Yellow (32%)

Black (11%)



Cyan (38%)


Magenta (11%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4728, 0.3096, 0.4221 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 64.4728, 0.3096, 0.4221 by changing the saturation by 10% instead.

 64.4728, 0.3096,
0.4221

 64.4728, 0.3096,
0.4221


440.8950, 0.3124,
0.3757

 47.0337, 0.3085,
0.4335


 111.2916, 0.3109,
0.4053

 33.0623, 0.3070,
0.4481


 141.4400, 0.3113,
0.3990

 22.1742, 0.3045,
0.4672


176.5938, 0.3116,
0.3937

 13.9849, 0.3006,
0.4933

217.1371, 0.3119,
0.3891

 8.1102, 0.2936,
0.5309

263.4546, 0.3121,
0.3851

 4.1655, 0.2797,
0.5884

315.9304, 0.3122,

 1.7666, 0.2606,

0.3816

0.7394

374.9491, 0.3123,
0.3785

0.4662, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.4728, 0.3096,
0.4221

64.4728, 0.3096,
0.4221

61.7585, 0.3082,
0.4572

67.7377, 0.3108,
0.3892

59.5568, 0.3067,
0.4930

71.5723, 0.3118,
0.3595

57.8380, 0.3051,
0.5272

76.0052, 0.3126,
0.3331

56.5658, 0.3035,
0.5569

81.0602, 0.3133,
0.3102

■ 55.6987, 0.3021,
0.5796

■ 83.4219, 0.3140,
0.3019

■ 55.1878, 0.3010,
0.5937

■ 54.9812, 0.3004,
0.5996

Harmonies

Analogous

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



64.4728, 0.3652, 0.4327



64.4728, 0.3096, 0.4221



64.4728, 0.2576, 0.3774

Triad

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



64.4728, 0.3096, 0.4221



64.4728, 0.2216, 0.2444



64.4728, 0.4114, 0.3267

Complementary

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



64.4728, 0.3096, 0.4221



45.0235, 0.3147, 0.2500

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.



64.4728, 0.3658, 0.2856



64.4728, 0.3096, 0.4221



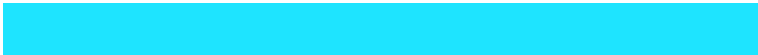
64.4728, 0.2555, 0.2398

Square

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



64.4728, 0.3096, 0.4221



64.4728, 0.2101, 0.2711



64.4728, 0.3074, 0.2548



64.4728, 0.4271, 0.3713

Rectangle

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



64.4728, 0.3096, 0.4221



64.4728, 0.2317, 0.3383



64.4728, 0.3074, 0.2548



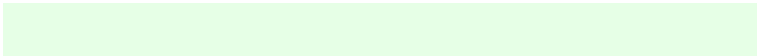
64.4728, 0.3989, 0.3123

Sweetspot

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



64.4755, 0.3096, 0.4221



94.0586, 0.3119, 0.3549



72.3387, 0.3612, 0.4056



19.9675, 0.3118, 0.3588



0.0000, 0.0000, 0.0000



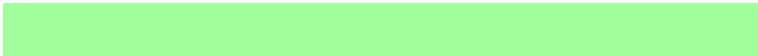
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4755, 0.3096, 0.4221



81.5381, 0.3087, 0.4449



65.5727, 0.2887, 0.3776



16.1075, 0.3120, 0.3533



32.0710, 0.3006, 0.5995



2.3765, 0.3023, 0.5982

Inverse Universe

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



45.0235, 0.3147, 0.2500



52.4780, 0.3150, 0.2342



43.6586, 0.3468, 0.2852



14.5945, 0.3134, 0.3058



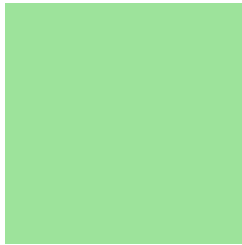
12.1998, 0.3143, 0.1505



0.9078, 0.3153, 0.1510

Previews

White Background



This preview shows how the Yxy color 64.4728, 0.3096, 0.4221 looks on a white background.

Color Contrast Check

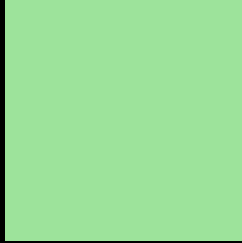
Large Text (above 18pt) WCAG AA × Fail

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 64.4728, 0.3096, 0.4221 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 64.4728, 0.3096, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 64.4728, 0.3096, 0.4221.



This preview shows how white text looks on a background with the Yxy color 64.4728, 0.3096, 0.4221.

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

64.4728, 0.3096, 0.4221

Protanopia

63.8763, 0.3712, 0.3990

Deuteranopia

63.9393, 0.3801, 0.3720



Tritanopia

64.2241, 0.2715, 0.3089

Trichromacy



Original Color

64.4728, 0.3096, 0.4221



Protanomaly

63.7312, 0.3467, 0.4081



Deuteranomaly

62.8925, 0.3524, 0.3886



Tritanomaly

64.2277, 0.2856, 0.3487

Monochromacy



Original Color

64.4728, 0.3096, 0.4221



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.0456, 0.3119, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4728, 0.3096, 0.4221 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, 227, 155)` looks like.

```
.text, #text, p{  
    color:rgb(157, 227, 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(157, 227, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 227, 155) }
```

Border

The CSS property to change the border of an element to Yxy 64.4728, 0.3096, 0.4221 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, 227, 155) }
```

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

```
.border{ border-color:rgb(157, 227, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 227, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 227, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 227, 155);  
box-shadow:4px 4px 4px 4px rgb(157, 227,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4728, 0.3096, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 227, 155) }
```

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

```
.background{ background-color: rgb(157,  
227, 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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