

Converting Colors

Yxy(64.5199, 0.3237, 0.4420)

Have a look what the booklet for
Yxy(64.5199, 0.3237, 0.4420)
contains.

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Color

Yxy(64.6948, 0.3237, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	A4E38B
RGB	164, 227, 139
RGB Percent	64%, 89%, 55%
CMY	0.3570, 0.1098, 0.4550
CMYK	0.28, 0.00, 0.39, 0.11
HSL	103°, 61%, 72%
HSV	103°, 39%, 89%
XYZ	47.4331, 64.6948, 34.4062
YIQ	198.1310, -9.3000, -40.7240

Conversions

Conversions Part 2

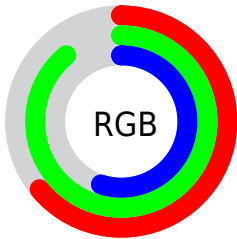
Format	Color
RYB	139, 227, 202
Decimal	10806155
CIELab	84.33, -35.84, 36.75
CIElCh	84, 51.336, 134.282
Yxy	64.6948, 0.3237, 0.4415
Android (android.graphics.Color)	4288996235 (0xFFA4E38B)
YUV	198.1310, -29.1516, -29.9329
Hunter-Lab	80.4331, -35.4927, 30.9412

Details

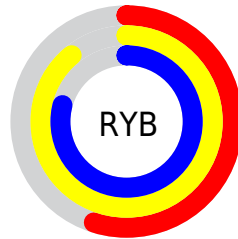
The Yxy color **64.6948, 0.3237, 0.4415** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.5676, 0.2943, 0.2268**, and the grayscale version is **56.7373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7424, 0.3270, 0.3946**, and **33.1454, 0.3235, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **62.4813, 0.3250, 0.4744**, and if you desaturate by 10%, it is **67.2728, 0.3215, 0.4093**.

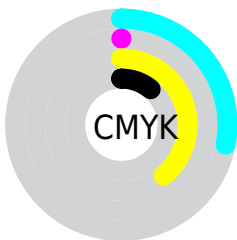
Distribution



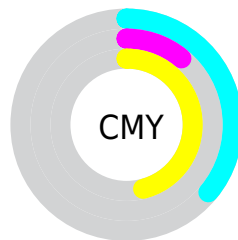
- Red (64%)
- Green (89%)
- Blue (55%)



- Red (55%)
- Yellow (89%)
- Blue (79%)



- Cyan (28%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)





- Cyan (36%)
- Magenta (11%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6948, 0.3237, 0.4415 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 64.6948, 0.3237, 0.4415 by changing the saturation by 10% instead.


 64.6948, 0.3237,
0.4415


 64.6948, 0.3237,
0.4415


441.6944, 0.3205,
0.3856


 47.2136, 0.3238,
0.4552


 111.6110, 0.3231,
0.4213

 33.2046, 0.3236,
0.4725


 141.8148, 0.3227,
0.4137

 22.2832, 0.3226,
0.4950


 177.0282, 0.3223,
0.4072

 14.0651, 0.3200,
0.5253

217.6358, 0.3219,
0.4017

 8.1660, 0.3139,
0.5677

264.0217, 0.3215,
0.3969

 4.2013, 0.3044,
0.6403

316.5706, 0.3211,

 1.7868, 0.2614,

0.3926

0.7386

375.6667, 0.3208,
0.3889

0.4789, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.6948, 0.3237,
0.4415

64.6948, 0.3237,
0.4415

62.4813, 0.3250,
0.4744

67.2728, 0.3215,
0.4093

60.6070, 0.3251,
0.5065


70.2226, 0.3187,
0.3790


59.0562, 0.3239,
0.5358

73.5618, 0.3156,
0.3512


57.8088, 0.3213,
0.5603

77.3042, 0.3123,
0.3261

 56.8415, 0.3173,
0.5782

 81.4632, 0.3090,
0.3038

 56.1238, 0.3125,
0.5893

 83.4248, 0.3140,
0.3019

 56.0494, 0.3120,
0.5905

Harmonies

Analogous

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



64.6948, 0.3842, 0.4419



64.6948, 0.3237, 0.4415



64.6948, 0.2634, 0.3988

Triad

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



64.6948, 0.3237, 0.4415



64.6948, 0.2064, 0.2395



64.6948, 0.4138, 0.3140

Complementary

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



64.6948, 0.3237, 0.4415



36.5676, 0.2943, 0.2268

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.



64.6948, 0.3565, 0.2711



64.6948, 0.3237, 0.4415



64.6948, 0.2377, 0.2293

Square

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



64.6948, 0.3237, 0.4415



64.6948, 0.1998, 0.2744



64.6948, 0.2910, 0.2411



64.6948, 0.4404, 0.3628

Rectangle

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



64.6948, 0.3237, 0.4415



64.6948, 0.2314, 0.3553



64.6948, 0.2910, 0.2411



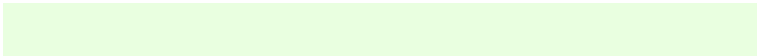
64.6948, 0.3972, 0.2987

Sweetspot

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



64.6976, 0.3237, 0.4415



94.2615, 0.3167, 0.3601



59.7852, 0.3812, 0.3989



20.0520, 0.3171, 0.3637



0.0000, 0.0000, 0.0000



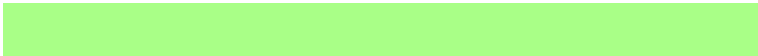
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6976, 0.3237, 0.4415



81.7269, 0.3249, 0.4696



62.8527, 0.2973, 0.4231



16.2862, 0.3158, 0.3530



32.7352, 0.3129, 0.5898



2.4649, 0.3236, 0.5812

Inverse Universe

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



36.5676, 0.2943, 0.2268



39.9594, 0.2887, 0.2040



39.4170, 0.3335, 0.2506



14.3989, 0.3093, 0.3055



7.8111, 0.2503, 0.1153



0.6236, 0.2610, 0.1211

Previews

White Background



This preview shows how the Yxy color 64.6948, 0.3237, 0.4415 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 64.6948, 0.3237, 0.4415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

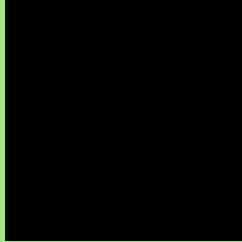
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6948, 0.3237, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 64.6948, 0.3237, 0.4415.



This preview shows how white text looks on a background with the Yxy color 64.6948, 0.3237, 0.4415.

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

64.6948, 0.3237, 0.4415

Protanopia

64.2531, 0.3830, 0.4157

Deuteranopia

64.1416, 0.3958, 0.3881



Tritanopia

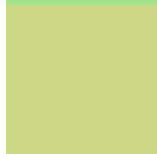
64.5786, 0.2769, 0.3091

Trichromacy



Original Color

64.6948, 0.3237, 0.4415



Protanomaly

63.8401, 0.3599, 0.4246



Deuteranomaly

63.1364, 0.3679, 0.4060



Tritanomaly

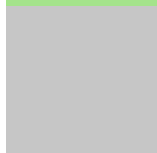
64.3086, 0.2943, 0.3547

Monochromacy



Original Color

64.6948, 0.3237, 0.4415



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.2144, 0.3176, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6948, 0.3237, 0.4415 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(164, 227, 139)` looks like.

```
.text, #text, p{  
    color:rgb(164, 227, 139)  
}
```

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(164, 227, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 227, 139) }
```

Border

The CSS property to change the border of an element to Yxy 64.6948, 0.3237, 0.4415 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(164, 227, 139) }
```

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

```
.border{ border-color:rgb(164, 227, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 227, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 227, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 227, 139);  
box-shadow:4px 4px 4px 4px rgb(164, 227,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6948, 0.3237, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 227, 139) }
```

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

```
.background{ background-color: rgb(164,  
227, 139) }
```

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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