

Converting Colors

$Yxy(67.5299, 0.3449, 0.4740)$

Have a look what the booklet for
Yxy(67.5299, 0.3449, 0.4740)
contains.

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Color

Yxy(67.3204, 0.3447, 0.4740)

Conversions

Conversions Part 1

Format	Color
Hex	AEE770
RGB	174, 231, 112
RGB Percent	68%, 91%, 44%
CMY	0.3177, 0.0941, 0.5607
CMYK	0.25, 0.00, 0.52, 0.09
HSL	89°, 71%, 67%
HSV	89°, 52%, 91%
XYZ	48.9564, 67.3204, 25.7493
YIQ	200.3910, 4.2270, -49.0930

Conversions

Conversions Part 2

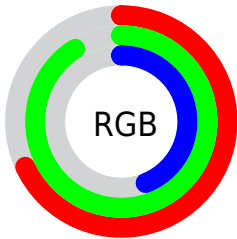
Format	Color
RYB	112, 231, 169
Decimal	11462512
CIELab	85.67, -37.41, 51.61
CIELCh	86, 63.741, 125.942
Yxy	67.3204, 0.3447, 0.4740
Android (android.graphics.Color)	4289652592 (0xFFAEE770)
YUV	200.3910, -43.5768, -23.1449
Hunter-Lab	82.0490, -37.0797, 38.8274

Details

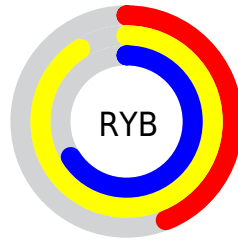
The Yxy color **67.3204, 0.3447, 0.4740** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.8024, 0.2594, 0.1829**, and the grayscale version is **58.2870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4290, 0.3498, 0.4212**, and **34.8273, 0.3467, 0.5119** is the 20% darker color. If you saturate the color by 10%, you get **65.6536, 0.3475, 0.5018**, and if you desaturate by 10%, it is **69.2299, 0.3402, 0.4445**.

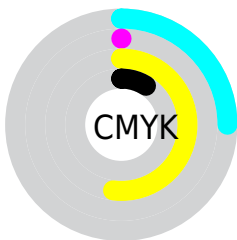
Distribution



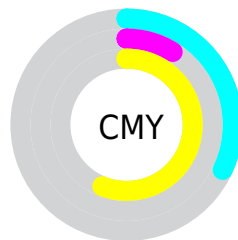
- Red (68%)
- Green (91%)
- Blue (44%)



- Red (44%)
- Yellow (91%)
- Blue (66%)



- Cyan (25%)
- Magenta (0%)
- Yellow (52%)
- Black (9%)




- Cyan (32%)
- Magenta (9%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3204, 0.3447, 0.4740 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 67.3204, 0.3447, 0.4740 by changing the saturation by 10% instead.


 67.3204, 0.3447,
0.4740


 67.3204, 0.3447,
0.4740

451.0844, 0.3333,
0.4030


 49.3451, 0.3461,
0.4907


 115.3794, 0.3417,
0.4488

 34.8933, 0.3470,
0.5114


 146.2318, 0.3402,
0.4392

 23.5807, 0.3469,
0.5376


 182.1454, 0.3388,
0.4309

 15.0229, 0.3443,
0.5710

223.5045, 0.3375,
0.4238

 8.8354, 0.3367,
0.6151

270.6936, 0.3364,
0.4176

 4.6340, 0.3205,
0.6795

324.0970, 0.3353,

 2.0342, 0.2654,

0.4122

0.7346

384.0991, 0.3343,
0.4073

0.6272, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.3204, 0.3447,
0.4740

67.3204, 0.3447,
0.4740

65.6536, 0.3475,
0.5018

69.2299, 0.3402,
0.4445

64.2078, 0.3483,
0.5264


71.3848, 0.3344,
0.4147

62.9715, 0.3467,
0.5465


73.7988, 0.3278,
0.3856

61.9278, 0.3430,
0.5610

76.4820, 0.3209,
0.3581

 61.1707, 0.3385,
0.5694

 79.4437, 0.3138,
0.3327

 82.6929, 0.3068,
0.3094

 84.9725, 0.3114,
0.3057

 85.6347, 0.3138,
0.3058

Harmonies

Analogous

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



67.3204, 0.4144, 0.4563



67.3204, 0.3447, 0.4740



67.3204, 0.2703, 0.4362

Triad

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



67.3204, 0.3447, 0.4740



67.3204, 0.1813, 0.2291



67.3204, 0.4198, 0.2945

Complementary

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



67.3204, 0.3447, 0.4740



25.8024, 0.2594, 0.1829

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.



67.3204, 0.3429, 0.2481



67.3204, 0.3447, 0.4740



67.3204, 0.2096, 0.2108

Square

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



67.3204, 0.3447, 0.4740



67.3204, 0.1814, 0.2779



67.3204, 0.2655, 0.2185



67.3204, 0.4646, 0.3500

Rectangle

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



67.3204, 0.3447, 0.4740



67.3204, 0.2283, 0.3845



67.3204, 0.2655, 0.2185



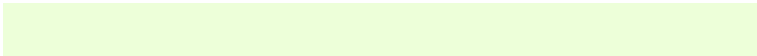
67.3204, 0.3962, 0.2776

Sweetspot

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



67.3233, 0.3447, 0.4740



94.4650, 0.3234, 0.3678



45.9992, 0.4242, 0.3918



20.0665, 0.3249, 0.3736



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.



67.3233, 0.3447, 0.4740



81.9943, 0.3477, 0.5040



62.0375, 0.3071, 0.4923



16.4565, 0.3194, 0.3527



34.3658, 0.3397, 0.5685



2.5948, 0.3505, 0.5599

Inverse Universe

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



25.8024, 0.2594, 0.1829



24.5957, 0.2446, 0.1524



33.7009, 0.3146, 0.2043



14.2242, 0.3055, 0.3052



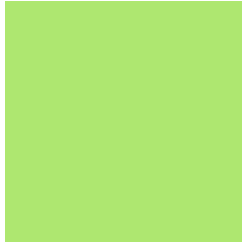
5.1906, 0.1986, 0.0868



0.4386, 0.2146, 0.0956

Previews

White Background



This preview shows how the Yxy color 67.3204, 0.3447, 0.4740 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 67.3204, 0.3447, 0.4740 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 67.3204, 0.3447, 0.4740

Background



This preview shows how black text looks on a background with the Yxy color 67.3204, 0.3447, 0.4740.

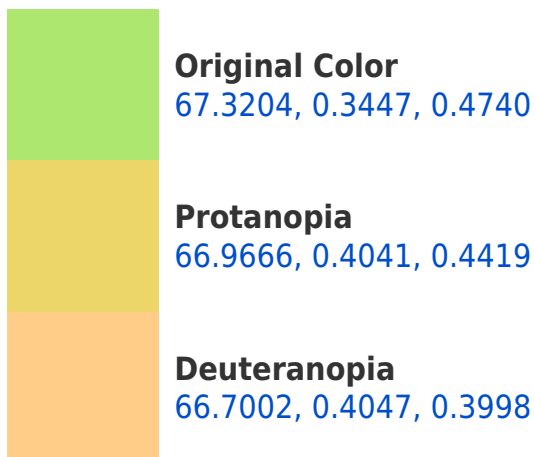


This preview shows how white text looks on a background with the Yxy color 67.3204, 0.3447, 0.4740.

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





Tritanopia

67.2173, 0.2835, 0.3096

Trichromacy



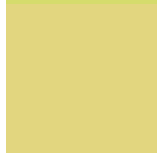
Original Color

67.3204, 0.3447, 0.4740



Protanomaly

66.4152, 0.3812, 0.4542



Deuteranomaly

65.7942, 0.3830, 0.4253



Tritanomaly

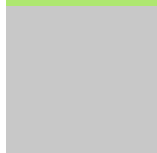
66.8073, 0.3074, 0.3688

Monochromacy



Original Color

67.3204, 0.3447, 0.4740



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.4921, 0.3275, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3204, 0.3447, 0.4740 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(174, 231, 112)` looks like.

```
.text, #text, p{  
    color:rgb(174, 231, 112)  
}
```

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(174, 231, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 231, 112) }
```

Border

The CSS property to change the border of an element to Yxy 67.3204, 0.3447, 0.4740 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(174, 231, 112) }
```

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

```
.border{ border-color:rgb(174, 231, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 231, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 231, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 231, 112);  
box-shadow:4px 4px 4px 4px rgb(174, 231,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3204, 0.3447, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 231, 112) }
```

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

```
.background{ background-color: rgb(174,  
231, 112) }
```

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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