

Converting Colors

Yxy(57.2983, 0.3501, 0.4745)

Have a look what the booklet for
Yxy(57.2983, 0.3501, 0.4745)
contains.

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Color

Yxy(57.1397, 0.3499, 0.4747)

Conversions

Conversions Part 1

Format	Color
Hex	A6D665
RGB	166, 214, 101
RGB Percent	65%, 84%, 40%
CMY	0.3491, 0.1607, 0.6040
CMYK	0.22, 0.00, 0.53, 0.16
HSL	85°, 58%, 62%
HSV	85°, 53%, 84%
XYZ	42.1175, 57.1397, 21.1129
YIQ	186.7660, 7.6650, -45.3190

Conversions

Conversions Part 2

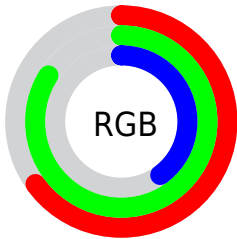
Format	Color
RYB	101, 214, 149
Decimal	10933861
CIELab	80.26, -33.71, 50.20
CIELCh	80, 60.471, 123.883
Yxy	57.1397, 0.3499, 0.4747
Android (android.graphics.Color)	4289123941 (0xFFA6D665)
YUV	186.7660, -42.2826, -18.2118
Hunter-Lab	75.5908, -32.8277, 36.3535

Details

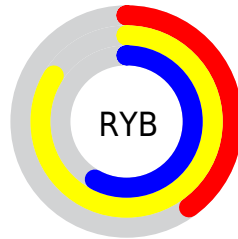
The Yxy color **57.1397, 0.3499, 0.4747** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.5466, 0.2521, 0.1775**, and the grayscale version is **49.7927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5745, 0.3497, 0.4344**, and **28.3975, 0.3530, 0.5138** is the 20% darker color. If you saturate the color by 10%, you get **55.8280, 0.3534, 0.5011**, and if you desaturate by 10%, it is **58.6351, 0.3447, 0.4463**.

Distribution



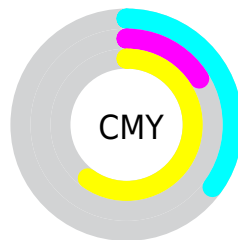
- Red (65%)
- Green (84%)
- Blue (40%)



- Red (40%)
- Yellow (84%)
- Blue (58%)



- Cyan (22%)
- Magenta (0%)
- Yellow (53%)
- Black (16%)





- Cyan (35%)
- Magenta (16%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1397, 0.3499, 0.4747 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 57.1397, 0.3499, 0.4747 by changing the saturation by 10% instead.


 57.1397, 0.3499,
0.4747

 57.1397, 0.3499,
0.4747


413.9726, 0.3357,
0.4017

 41.1174, 0.3518,
0.4923

 100.6690, 0.3459,
0.4485


 28.4108, 0.3534,
0.5143


 128.9448, 0.3440,
0.4385

 18.6356, 0.3536,
0.5424


 162.0739, 0.3423,
0.4300

 11.4073, 0.3509,
0.5784

 200.4407, 0.3407,
0.4228

 6.3415, 0.3480,
0.6382

244.4295, 0.3393,
0.4164

 3.0538, 0.3144,
0.6856

294.4249, 0.3380,

 1.1599, 0.1810,

0.4109

0.8190

350.8111, 0.3368,
0.4060

■ 0.0286, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1397, 0.3499,
0.4747

■ 57.1397, 0.3499,
0.4747

■ 55.8280, 0.3534,
0.5011

■ 58.6351, 0.3447,
0.4463

■ 54.6823, 0.3547,
0.5242


■ 60.3159, 0.3381,
0.4173

■ 53.6938, 0.3536,
0.5428

■ 62.1928, 0.3307,
0.3887


■ 52.8488, 0.3502,
0.5560


■ 64.2737, 0.3229,
0.3614


 52.3152, 0.3468,
0.5629

 66.5658, 0.3149,
0.3358

 69.0761, 0.3071,
0.3123

 71.8112, 0.2996,
0.2910

 73.6208, 0.3032,
0.2876

 75.2410, 0.3095,
0.2884

Harmonies

Analogous

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



57.1397, 0.4187, 0.4539



57.1397, 0.3499, 0.4747



57.1397, 0.2751, 0.4408

Triad

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



57.1397, 0.3499, 0.4747



57.1397, 0.1801, 0.2313



57.1397, 0.4154, 0.2908

Complementary

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



57.1397, 0.3499, 0.4747



20.5466, 0.2521, 0.1775

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.



57.1397, 0.3372, 0.2453



57.1397, 0.3499, 0.4747



57.1397, 0.2066, 0.2110

Square

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



57.1397, 0.3499, 0.4747



57.1397, 0.1823, 0.2823



57.1397, 0.2608, 0.2170



57.1397, 0.4633, 0.3460

Rectangle

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



57.1397, 0.3499, 0.4747



57.1397, 0.2320, 0.3905



57.1397, 0.2608, 0.2170



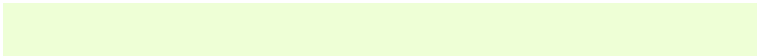
57.1397, 0.3911, 0.2742

Sweetspot

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



57.1422, 0.3499, 0.4747



94.5045, 0.3255, 0.3703



36.4386, 0.4314, 0.3863



20.0893, 0.3272, 0.3760



0.0000, 0.0000, 0.0000



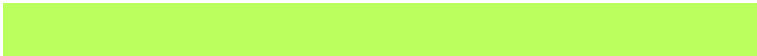
21.4041, 0.3127, 0.3290

Same Dimension

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



57.1422, 0.3499, 0.4747



82.8671, 0.3536, 0.5032



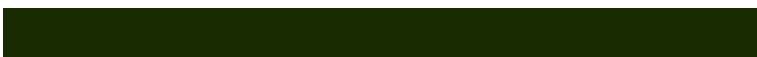
52.3772, 0.3103, 0.4944



14.2450, 0.3202, 0.3525



31.6804, 0.3477, 0.5621



1.9591, 0.3598, 0.5525

Inverse Universe

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



20.5466, 0.2521, 0.1775



23.0327, 0.2360, 0.1465



27.0782, 0.3087, 0.1997



12.2640, 0.3047, 0.3054



4.3350, 0.1892, 0.0816



0.3097, 0.2088, 0.0924

Previews

White Background



This preview shows how the Yxy color 57.1397, 0.3499, 0.4747 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 57.1397, 0.3499, 0.4747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

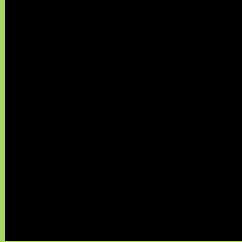
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.1397, 0.3499, 0.4747

Background



This preview shows how black text looks on a background with the Yxy color 57.1397, 0.3499, 0.4747.



This preview shows how white text looks on a background with the Yxy color 57.1397, 0.3499, 0.4747.

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

57.1397, 0.3499, 0.4747

Protanopia

56.9070, 0.4058, 0.4437

Deuteranopia

56.5114, 0.4248, 0.4152



Tritanopia

56.7281, 0.2876, 0.3096

Trichromacy



Original Color

57.1397, 0.3499, 0.4747

Protanomaly

56.3469, 0.3844, 0.4548

Deuteranomaly

55.8552, 0.3963, 0.4361

Tritanomaly

56.4679, 0.3116, 0.3688

Monochromacy



Original Color

57.1397, 0.3499, 0.4747

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.9165, 0.3286, 0.3829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1397, 0.3499, 0.4747 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(166, 214, 101)` looks like.

```
.text, #text, p{  
    color:rgb(166, 214, 101)  
}
```

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(166, 214, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 214, 101) }
```

Border

The CSS property to change the border of an element to Yxy 57.1397, 0.3499, 0.4747 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(166, 214, 101) }
```

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

```
.border{ border-color:rgb(166, 214, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 214, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 214, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 214, 101);  
box-shadow:4px 4px 4px 4px rgb(166, 214,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1397, 0.3499, 0.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 214, 101) }
```

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

```
.background{ background-color: rgb(166,  
214, 101) }
```

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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