

Converting Colors

Yxy(67.3484, 0.3458, 0.4752)

Have a look what the booklet for
Yxy(67.3484, 0.3458, 0.4752)
contains.

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Color

Yxy(67.4135, 0.3459, 0.4747)

Conversions

Conversions Part 1

Format	Color
Hex	AFE76F
RGB	175, 231, 111
RGB Percent	69%, 91%, 44%
CMY	0.3138, 0.0941, 0.5645
CMYK	0.24, 0.00, 0.52, 0.09
HSL	88°, 71%, 67%
HSV	88°, 52%, 91%
XYZ	49.1222, 67.4135, 25.4771
YIQ	200.5760, 5.1440, -49.1920

Conversions

Conversions Part 2

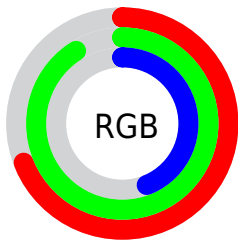
Format	Color
RYB	111, 231, 167
Decimal	11528047
CIELab	85.71, -37.16, 52.12
CIELCh	86, 64.016, 125.489
Yxy	67.4135, 0.3459, 0.4747
Android (android.graphics.Color)	4289718127 (0xFFAFE76F)
YUV	200.5760, -44.1610, -22.4302
Hunter-Lab	82.1057, -36.8920, 39.0765

Details

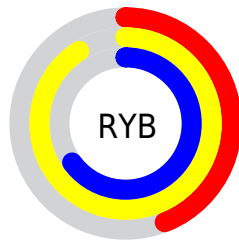
The Yxy color **67.4135, 0.3459, 0.4747** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.3764, 0.2576, 0.1812**, and the grayscale version is **58.4100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5603, 0.3510, 0.4220**, and **34.8874, 0.3482, 0.5125** is the 20% darker color. If you saturate the color by 10%, you get **65.7724, 0.3488, 0.5022**, and if you desaturate by 10%, it is **69.2919, 0.3412, 0.4454**.

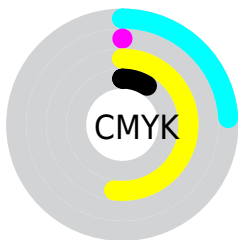
Distribution



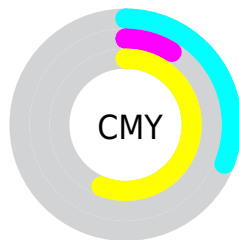
- Red (69%)
- Green (91%)
- Blue (44%)



- Red (44%)
- Yellow (91%)
- Blue (65%)



- Cyan (24%)
- Magenta (0%)
- Yellow (52%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4135, 0.3459, 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 67.4135, 0.3459, 0.4747 by changing the saturation by 10% instead.


 67.4135, 0.3459,
0.4747


 67.4135, 0.3459,
0.4747


451.4152, 0.3340,
0.4035

 49.4207, 0.3474,
0.4914


 115.5127, 0.3427,
0.4495


 34.9534, 0.3484,
0.5122

 146.3880, 0.3412,
0.4398

 23.6269, 0.3483,
0.5382


 182.3262, 0.3397,
0.4315

 15.0571, 0.3459,
0.5715

 223.7117, 0.3384,
0.4244

 8.8595, 0.3385,
0.6156

270.9290, 0.3372,
0.4181

 4.6496, 0.3218,
0.6782

324.3624, 0.3360,

 2.0432, 0.2675,

0.4126

0.7325

384.3963, 0.3350,
0.4078

0.6324, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.4135, 0.3459,
0.4747

67.4135, 0.3459,
0.4747

65.7724, 0.3488,
0.5022

69.2919, 0.3412,
0.4454

64.3470, 0.3497,
0.5264

71.4103, 0.3353,
0.4157


63.1260, 0.3482,
0.5460


73.7821, 0.3286,
0.3868

62.0925, 0.3444,
0.5602

76.4172, 0.3214,
0.3592

 61.3746, 0.3402,
0.5681

 79.3250, 0.3141,
0.3337

 82.5141, 0.3069,
0.3103

 84.7956, 0.3108,
0.3056

 85.6366, 0.3138,
0.3058

Harmonies

Analogous

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



67.4135, 0.4157, 0.4562



67.4135, 0.3459, 0.4747



67.4135, 0.2712, 0.4376

Triad

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



67.4135, 0.3459, 0.4747



67.4135, 0.1806, 0.2293



67.4135, 0.4192, 0.2935

Complementary

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



67.4135, 0.3459, 0.4747



25.3764, 0.2576, 0.1812

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.



67.4135, 0.3417, 0.2473



67.4135, 0.3459, 0.4747



67.4135, 0.2086, 0.2105

Square

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



67.4135, 0.3459, 0.4747



67.4135, 0.1812, 0.2787



67.4135, 0.2643, 0.2179



67.4135, 0.4648, 0.3491

Rectangle

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



67.4135, 0.3459, 0.4747



67.4135, 0.2289, 0.3860



67.4135, 0.2643, 0.2179



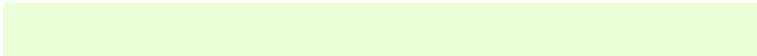
67.4135, 0.3953, 0.2767

Sweetspot

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



67.4165, 0.3459, 0.4747



94.2080, 0.3244, 0.3705



45.7890, 0.4254, 0.3923



20.0186, 0.3259, 0.3762



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.



67.4165, 0.3459, 0.4747



82.2225, 0.3489, 0.5033



61.9541, 0.3071, 0.4938



16.4653, 0.3196, 0.3527



34.4792, 0.3414, 0.5672



2.6031, 0.3521, 0.5587

Inverse Universe

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



25.3764, 0.2576, 0.1812



24.3814, 0.2431, 0.1517



33.4836, 0.3146, 0.2034



14.2155, 0.3053, 0.3052



5.0910, 0.1963, 0.0855



0.4311, 0.2125, 0.0944

Previews

White Background



This preview shows how the Yxy color 67.4135, 0.3459, 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 67.4135, 0.3459, 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 67.4135, 0.3459, 0.4747

Background



This preview shows how black text looks on a background with the Yxy color 67.4135, 0.3459, 0.4747.



This preview shows how white text looks on a background with the Yxy color 67.4135, 0.3459, 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

67.4135, 0.3459, 0.4747

Protanopia

66.9459, 0.4047, 0.4428

Deuteranopia

66.7002, 0.4047, 0.3998



Tritanopia

67.3474, 0.2842, 0.3097

Trichromacy



Original Color

67.4135, 0.3459, 0.4747



Protanomaly

66.5441, 0.3826, 0.4548



Deuteranomaly

65.7942, 0.3830, 0.4253



Tritanomaly

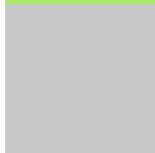
66.9322, 0.3081, 0.3687

Monochromacy



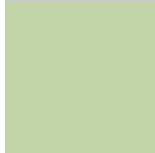
Original Color

67.4135, 0.3459, 0.4747



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.1206, 0.3281, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4135, 0.3459, 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(175, 231, 111)` looks like.

```
.text, #text, p{  
    color:rgb(175, 231, 111)  
}
```

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(175, 231, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 231, 111) }
```

Border

The CSS property to change the border of an element to Yxy 67.4135, 0.3459, 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(175, 231, 111) }
```

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

```
.border{ border-color:rgb(175, 231, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 231, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 231, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 231, 111); box-shadow:4px 4px 4px 4px rgb(175, 231, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4135, 0.3459, 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(175, 231, 111) }
```

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

```
.background{ background-color: rgb(175,  
231, 111) }
```

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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