

Converting Colors

$Yxy(66.4590, 0.3431, 0.4701)$

Have a look what the booklet for
Yxy(66.4590, 0.3431, 0.4701)
contains.

Yxy(66.7157, 0.3427, 0.4702)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.7157, 0.3427, 0.4702)

Conversions

Conversions Part 1

Format	Color
Hex	ADE673
RGB	173, 230, 115
RGB Percent	68%, 90%, 45%
CMY	0.3216, 0.0980, 0.5488
CMYK	0.25, 0.00, 0.50, 0.10
HSL	90°, 70%, 68%
HSV	90°, 50%, 90%
XYZ	48.6250, 66.7157, 26.5472
YIQ	199.8470, 2.9430, -47.8490

Conversions

Conversions Part 2

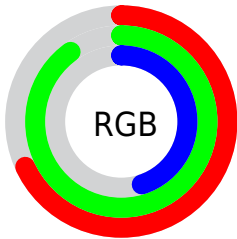
Format	Color
RYB	115, 230, 172
Decimal	11396723
CIELab	85.36, -37.00, 49.81
CIELCh	85, 62.055, 126.606
Yxy	66.7157, 0.3427, 0.4702
Android (android.graphics.Color)	4289586803 (0xFFADE673)
YUV	199.8470, -41.8296, -23.5448
Hunter-Lab	81.6797, -36.6760, 37.9056

Details

The Yxy color **66.7157, 0.3427, 0.4702** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.7633, 0.2632, 0.1881**, and the grayscale version is **57.9233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2076, 0.3467, 0.4185**, and **34.4825, 0.3451, 0.5063** is the 20% darker color. If you saturate the color by 10%, you get **65.0079, 0.3455, 0.4987**, and if you desaturate by 10%, it is **68.6725, 0.3382, 0.4403**.

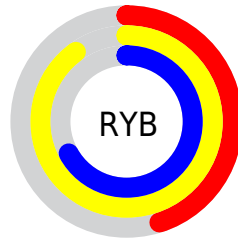
Distribution



Red (68%)

Green (90%)

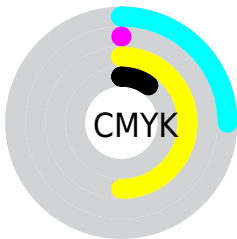
Blue (45%)



Red (45%)

Yellow (90%)

Blue (67%)

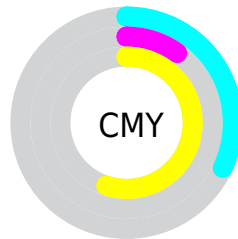


Cyan (25%)

Magenta (0%)

Yellow (50%)

Black (10%)



Cyan (32%)


Magenta (10%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7157, 0.3427, 0.4702 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 66.7157, 0.3427, 0.4702 by changing the saturation by 10% instead.

 66.7157, 0.3427,
0.4702


 66.7157, 0.3427,
0.4702


448.9321, 0.3320,
0.4009


 48.8536, 0.3440,
0.4866


 114.5129, 0.3398,
0.4456

 34.5034, 0.3449,
0.5070


 145.2169, 0.3385,
0.4361

 23.2806, 0.3448,
0.5329


 180.9703, 0.3372,
0.4281

 14.8008, 0.3424,
0.5662

222.1574, 0.3360,
0.4211

 8.6797, 0.3350,
0.6102

269.1628, 0.3348,
0.4151

 4.5329, 0.3211,
0.6789

322.3708, 0.3338,

 1.9759, 0.2651,

0.4098

0.7349

382.1658, 0.3329,
0.4051

0.5934, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.7157, 0.3427,
0.4702

66.7157, 0.3427,
0.4702

65.0079, 0.3455,
0.4987

68.6725, 0.3382,
0.4403

63.5275, 0.3464,
0.5242


70.8812, 0.3326,
0.4104


62.2632, 0.3450,
0.5452

73.3554, 0.3262,
0.3814

61.1984, 0.3415,
0.5608

76.1053, 0.3195,
0.3541


 60.3065, 0.3362,
0.5712

 79.1403, 0.3127,
0.3290

 60.3049, 0.3362,
0.5713

 82.4693, 0.3060,
0.3060

 84.6700, 0.3124,
0.3047

 85.0768, 0.3138,
0.3048

Harmonies

Analogous

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



66.7157, 0.4112, 0.4546



66.7157, 0.3427, 0.4702



66.7157, 0.2700, 0.4319

Triad

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



66.7157, 0.3427, 0.4702



66.7157, 0.1841, 0.2306



66.7157, 0.4187, 0.2965

Complementary

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



66.7157, 0.3427, 0.4702



26.7633, 0.2632, 0.1881

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.



66.7157, 0.3440, 0.2506



66.7157, 0.3427, 0.4702



66.7157, 0.2126, 0.2131

Square

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



66.7157, 0.3427, 0.4702



66.7157, 0.1837, 0.2779



66.7157, 0.2682, 0.2211



66.7157, 0.4615, 0.3512

Rectangle

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



66.7157, 0.3427, 0.4702



66.7157, 0.2291, 0.3813



66.7157, 0.2682, 0.2211



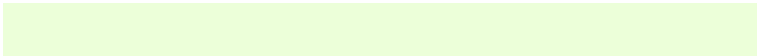
66.7157, 0.3959, 0.2798

Sweetspot

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



66.7186, 0.3427, 0.4702



94.3546, 0.3230, 0.3678



47.0415, 0.4188, 0.3922



20.0400, 0.3244, 0.3736



0.0000, 0.0000, 0.0000



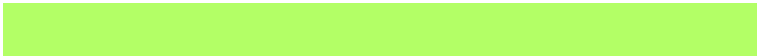
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7186, 0.3427, 0.4702



82.0768, 0.3456, 0.4996



61.6150, 0.3063, 0.4874



16.4443, 0.3192, 0.3528



34.2122, 0.3373, 0.5704



2.5834, 0.3483, 0.5616

Inverse Universe

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



26.7633, 0.2632, 0.1881



26.1741, 0.2496, 0.1588



34.4942, 0.3165, 0.2082



14.2364, 0.3058, 0.3053



5.3352, 0.2018, 0.0885



0.4495, 0.2177, 0.0973

Previews

White Background



This preview shows how the Yxy color 66.7157, 0.3427, 0.4702 looks on a white background.

Color Contrast Check

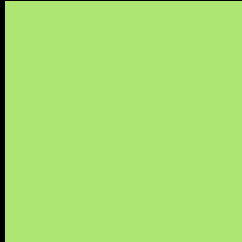
Large Text (above 18pt) WCAG AA × Fail

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 66.7157, 0.3427, 0.4702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

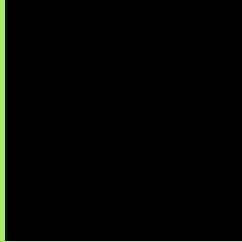
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7157, 0.3427, 0.4702

Background



This preview shows how black text looks on a background with the Yxy color 66.7157, 0.3427, 0.4702.



This preview shows how white text looks on a background with the Yxy color 66.7157, 0.3427, 0.4702.

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

66.7157, 0.3427, 0.4702

Protanopia

66.3548, 0.4021, 0.4387

Deuteranopia

66.1392, 0.4074, 0.4018



Tritanopia

66.5134, 0.2834, 0.3095

Trichromacy



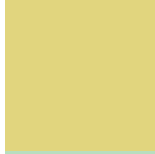
Original Color

66.7157, 0.3427, 0.4702



Protanomaly

65.8078, 0.3792, 0.4508



Deuteranomaly

65.1024, 0.3833, 0.4257



Tritanomaly

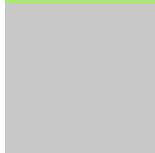
66.1945, 0.3061, 0.3664

Monochromacy



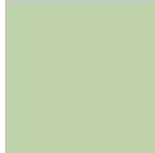
Original Color

66.7157, 0.3427, 0.4702



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.4003, 0.3260, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7157, 0.3427, 0.4702 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(173, 230, 115)` looks like.

```
.text, #text, p{  
    color:rgb(173, 230, 115)  
}
```

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(173, 230, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 230, 115) }
```

Border

The CSS property to change the border of an element to Yxy 66.7157, 0.3427, 0.4702 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(173, 230, 115) }
```

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

```
.border{ border-color:rgb(173, 230, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 230, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 230, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 230, 115);  
box-shadow:4px 4px 4px 4px rgb(173, 230,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7157, 0.3427, 0.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 230, 115) }
```

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

```
.background{ background-color: rgb(173,  
230, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor