

Converting Colors

$Yxy(48.0141, 0.3309, 0.4499)$

Have a look what the booklet for
Yxy(48.0141, 0.3309, 0.4499)
contains.

Yxy(48.2648, 0.3313, 0.4506)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.2648, 0.3313, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	93C772
RGB	147, 199, 114
RGB Percent	58%, 78%, 45%
CMY	0.4237, 0.2196, 0.5530
CMYK	0.26, 0.00, 0.43, 0.22
HSL	97°, 43%, 61%
HSV	97°, 43%, 78%
XYZ	35.4863, 48.2648, 23.3612
YIQ	173.7620, -3.7070, -37.4590

Conversions

Conversions Part 2

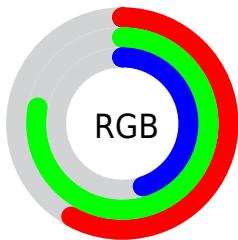
Format	Color
RYB	114, 199, 166
Decimal	9684850
CIELab	74.99, -32.17, 37.15
CIELCh	75, 49.144, 130.891
Yxy	48.2648, 0.3313, 0.4506
Android (android.graphics.Color)	4287874930 (0xFF93C772)
YUV	173.7620, -29.4627, -23.4703
Hunter-Lab	69.4729, -30.4009, 28.6939

Details

The Yxy color **48.2648, 0.3313, 0.4506** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.2688, 0.2828, 0.2141**, and the grayscale version is **42.3501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0065, 0.3299, 0.4261**, and **23.0006, 0.3324, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **46.7949, 0.3336, 0.4818**, and if you desaturate by 10%, it is **49.9568, 0.3278, 0.4194**.

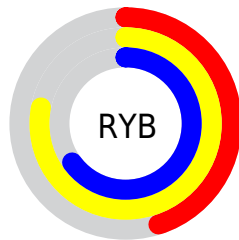
Distribution



Red (58%)

Green (78%)

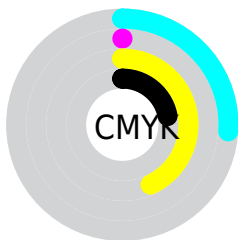
Blue (45%)



Red (45%)

Yellow (78%)

Blue (65%)

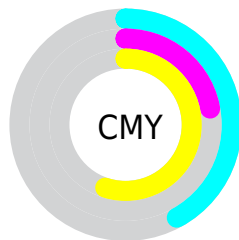


Cyan (26%)

Magenta (0%)

Yellow (43%)

Black (22%)



Cyan (42%)


Magenta (22%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2648, 0.3313, 0.4506 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 48.2648, 0.3313, 0.4506 by changing the saturation by 10% instead.


 48.2648, 0.3313,
0.4506


 48.2648, 0.3313,
0.4506


379.8408, 0.3244,
0.3873


 34.0366, 0.3321,
0.4669


 87.5985, 0.3295,
0.4271

 22.9217, 0.3324,
0.4881

 113.4729, 0.3286,
0.4185

 14.5357, 0.3317,
0.5163


 143.9981, 0.3277,
0.4112

 8.4942, 0.3283,
0.5553

179.5586, 0.3270,
0.4050

 4.4128, 0.3222,
0.6195

220.5387, 0.3262,
0.3996

 1.9070, 0.2935,
0.7065

267.3228, 0.3256,

 0.5526, 0.0000,

0.3950

1.0000

320.2954, 0.3250,
0.3909

0.0000, 0.0000,
0.0000

48.2648, 0.3313,
0.4506

48.2648, 0.3313,
0.4506

46.7949, 0.3336,
0.4818

49.9568, 0.3278,
0.4194

45.5306, 0.3344,
0.5114

51.8741, 0.3236,
0.3894

44.4630, 0.3335,
0.5377


54.0276, 0.3189,
0.3613

43.5796, 0.3307,
0.5590


56.4255, 0.3141,
0.3356

42.8662, 0.3262,
0.5743


59.0757, 0.3092,
0.3123

 42.4379, 0.3224,
0.5822

 61.9857, 0.3044,
0.2915

 65.1628, 0.2998,
0.2730

 67.3854, 0.3075,
0.2729

 69.3336, 0.3153,
0.2742

Harmonies

Analogous

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



48.2648, 0.3938, 0.4452



48.2648, 0.3313, 0.4506



48.2648, 0.2671, 0.4101

Triad

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



48.2648, 0.3313, 0.4506



48.2648, 0.1992, 0.2376



48.2648, 0.4139, 0.3074

Complementary

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



48.2648, 0.3313, 0.4506



24.2688, 0.2828, 0.2141

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.



48.2648, 0.3509, 0.2639



48.2648, 0.3313, 0.4506



48.2648, 0.2289, 0.2245

Square

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



48.2648, 0.3313, 0.4506



48.2648, 0.1953, 0.2770



48.2648, 0.2824, 0.2345



48.2648, 0.4463, 0.3579

Rectangle

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



48.2648, 0.3313, 0.4506



48.2648, 0.2321, 0.3648



48.2648, 0.2824, 0.2345



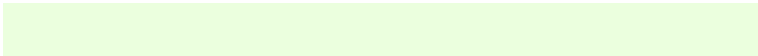
48.2648, 0.3952, 0.2918

Sweetspot

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



48.2669, 0.3313, 0.4506



94.3974, 0.3192, 0.3626



40.2706, 0.3930, 0.3952



20.0173, 0.3202, 0.3687



0.0000, 0.0000, 0.0000



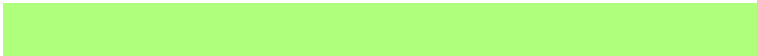
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2669, 0.3313, 0.4506



82.1561, 0.3334, 0.4788



45.8476, 0.3014, 0.4471



12.0850, 0.3173, 0.3525



27.3312, 0.3234, 0.5814



1.3358, 0.3404, 0.5680

Inverse Universe

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



24.2688, 0.2828, 0.2141



34.7942, 0.2743, 0.1892



27.9163, 0.3266, 0.2342



10.6034, 0.3077, 0.3058



5.3568, 0.2267, 0.1023



0.2945, 0.2464, 0.1131

Previews

White Background



This preview shows how the Yxy color 48.2648, 0.3313, 0.4506 looks on a white background.

Color Contrast Check

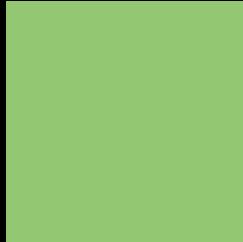
Large Text (above 18pt) WCAG AA × Fail

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 48.2648, 0.3313, 0.4506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

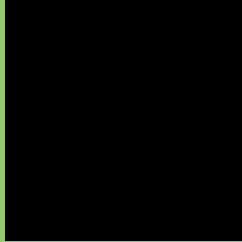
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2648, 0.3313, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 48.2648, 0.3313, 0.4506.



This preview shows how white text looks on a background with the Yxy color 48.2648, 0.3313, 0.4506.

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

48.2648, 0.3313, 0.4506

Protanopia

47.7812, 0.3895, 0.4236

Deuteranopia

47.7547, 0.4038, 0.3962



Tritanopia

48.3319, 0.2802, 0.3093

Trichromacy



Original Color

48.2648, 0.3313, 0.4506

Protanomaly

47.3447, 0.3670, 0.4336

Deuteranomaly

47.0347, 0.3760, 0.4151

Tritanomaly

48.1481, 0.2995, 0.3594

Monochromacy



Original Color

48.2648, 0.3313, 0.4506

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.0265, 0.3209, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2648, 0.3313, 0.4506 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(147, 199, 114)` looks like.

```
.text, #text, p{  
    color:rgb(147, 199, 114)  
}
```

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(147, 199, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 199, 114) }
```

Border

The CSS property to change the border of an element to Yxy 48.2648, 0.3313, 0.4506 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(147, 199, 114) }
```

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

```
.border{ border-color:rgb(147, 199, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 199, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 199, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 199, 114);  
box-shadow:4px 4px 4px 4px rgb(147, 199,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2648, 0.3313, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 199, 114) }
```

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

```
.background{ background-color: rgb(147,  
199, 114) }
```

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