

Converting Colors

$Yxy(49.3973, 0.3127, 0.4488)$

Have a look what the booklet for
Yxy(49.3973, 0.3127, 0.4488)
contains.

Yxy(49.4162, 0.3133, 0.4492)	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(49.4162, 0.3133, 0.4492)

Conversions

Conversions Part 1

Format	Color
Hex	83CC7A
RGB	131, 204, 122
RGB Percent	51%, 80%, 48%
CMY	0.4862, 0.2000, 0.5216
CMYK	0.36, 0.00, 0.40, 0.20
HSL	113°, 45%, 64%
HSV	113°, 40%, 80%
XYZ	34.4659, 49.4162, 26.1272
YIQ	172.8250, -17.1860, -40.9780

Conversions

Conversions Part 2

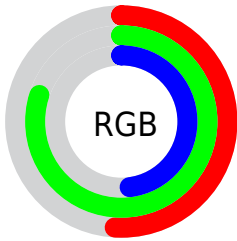
Format	Color
RYB	122, 204, 195
Decimal	8637562
CIELab	75.71, -38.75, 33.84
CIELCh	76, 51.445, 138.871
Yxy	49.4162, 0.3133, 0.4492
Android (android.graphics.Color)	4286827642 (0xFF83CC7A)
YUV	172.8250, -25.0567, -36.6805
Hunter-Lab	70.2967, -35.5019, 27.1713

Details

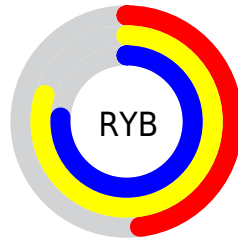
The Yxy color **49.4162, 0.3133, 0.4492** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.8729, 0.3081, 0.2280**, and the grayscale version is **41.8332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1799, 0.3155, 0.4200**, and **23.5406, 0.3094, 0.4863** is the 20% darker color. If you saturate the color by 10%, you get **47.6397, 0.3125, 0.4840**, and if you desaturate by 10%, it is **51.5571, 0.3136, 0.4154**.

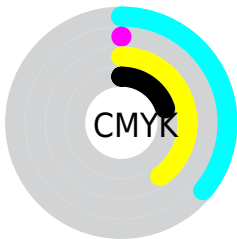
Distribution



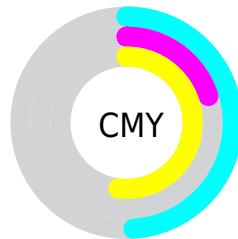
- Red (51%)
- Green (80%)
- Blue (48%)



- Red (48%)
- Yellow (80%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (40%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4162, 0.3133, 0.4492 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 49.4162, 0.3133, 0.4492 by changing the saturation by 10% instead.


 49.4162, 0.3133,
0.4492

 49.4162, 0.3133,
0.4492


384.3785, 0.3153,
0.3862


 34.9497, 0.3120,
0.4656


 89.3093, 0.3146,
0.4257

 23.6242, 0.3097,
0.4871

 115.5047, 0.3149,
0.4171

 15.0551, 0.3058,
0.5160


 146.3786, 0.3151,
0.4099

 8.8580, 0.2984,
0.5568

182.3153, 0.3152,
0.4037

 4.6487, 0.2838,
0.6186

223.6993, 0.3153,
0.3984

 2.0427, 0.2571,
0.7429

270.9149, 0.3153,

 0.6321, 0.0000,

0.3938

1.0000

324.3465, 0.3153,
0.3898

0.0000, 0.0000,
0.0000

49.4162, 0.3133,
0.4492

49.4162, 0.3133,
0.4492

47.6397, 0.3125,
0.4840

51.5571, 0.3136,
0.4154

46.2012, 0.3112,
0.5177

54.0744, 0.3136,
0.3837

45.0810, 0.3094,
0.5479


56.9873, 0.3132,
0.3550


44.2546, 0.3071,
0.5722

60.3121, 0.3127,
0.3295

43.6938, 0.3046,
0.5889

64.0638, 0.3121,
0.3071

 43.3633, 0.3025,
0.5980

 68.2568, 0.3114,
0.2876

 71.6675, 0.3151,
0.2792

Harmonies

Analogous

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



49.4162, 0.3804, 0.4553



49.4162, 0.3133, 0.4492



49.4162, 0.2496, 0.3957

Triad

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



49.4162, 0.3133, 0.4492



49.4162, 0.2010, 0.2283



49.4162, 0.4307, 0.3198

Complementary

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



49.4162, 0.3133, 0.4492



29.8729, 0.3081, 0.2280

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.



49.4162, 0.3714, 0.2725



49.4162, 0.3133, 0.4492



49.4162, 0.2384, 0.2217

Square

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



49.4162, 0.3133, 0.4492



49.4162, 0.1898, 0.2612



49.4162, 0.2991, 0.2377



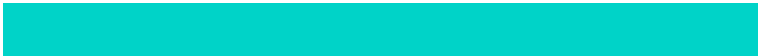
49.4162, 0.4530, 0.3725

Rectangle

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



49.4162, 0.3133, 0.4492



49.4162, 0.2176, 0.3460



49.4162, 0.2991, 0.2377



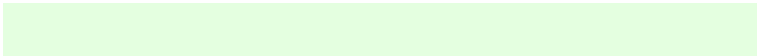
49.4162, 0.4141, 0.3031

Sweetspot

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



49.4183, 0.3133, 0.4492



93.3797, 0.3133, 0.3604



53.0198, 0.3766, 0.4177



19.8459, 0.3134, 0.3641



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.



49.4183, 0.3133, 0.4492



79.3203, 0.3127, 0.4785



49.6376, 0.2876, 0.4033



12.5951, 0.3132, 0.3528



27.3126, 0.3030, 0.5977



1.4294, 0.3116, 0.5908

Inverse Universe

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



29.8729, 0.3081, 0.2280



42.6791, 0.3065, 0.2081



29.7525, 0.3511, 0.2654



11.3386, 0.3120, 0.3060



8.9936, 0.2935, 0.1391



0.4823, 0.2992, 0.1422

Previews

White Background



This preview shows how the Yxy color 49.4162, 0.3133, 0.4492 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 49.4162, 0.3133, 0.4492 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 49.4162, 0.3133, 0.4492

Background



This preview shows how black text looks on a background with the Yxy color 49.4162, 0.3133, 0.4492.



This preview shows how white text looks on a background with the Yxy color 49.4162, 0.3133, 0.4492.

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

49.4162, 0.3133, 0.4492

Protanopia

49.0521, 0.3849, 0.4170

Deuteranopia

48.9289, 0.3960, 0.3880



Tritanopia

49.3901, 0.2680, 0.3090

Trichromacy



Original Color

49.4162, 0.3133, 0.4492



Protanomaly

48.7950, 0.3560, 0.4292



Deuteranomaly

47.8658, 0.3631, 0.4087



Tritanomaly

49.2252, 0.2847, 0.3583

Monochromacy



Original Color

49.4162, 0.3133, 0.4492



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

43.8832, 0.3141, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4162, 0.3133, 0.4492 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(131, 204, 122)` looks like.

```
.text, #text, p{  
    color:rgb(131, 204, 122)  
}
```

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(131, 204, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 204, 122) }
```

Border

The CSS property to change the border of an element to Yxy 49.4162, 0.3133, 0.4492 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(131, 204, 122) }
```

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

```
.border{ border-color:rgb(131, 204, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 204, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 204, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 204, 122); box-shadow:4px 4px 4px 4px rgb(131, 204, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4162, 0.3133, 0.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 204, 122) }
```

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

```
.background{ background-color: rgb(131,  
204, 122) }
```

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