

Converting Colors

$Yxy(49.3210, 0.3355, 0.4537)$

Have a look what the booklet for
Yxy(49.3210, 0.3355, 0.4537)
contains.

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Color

Yxy(49.5224, 0.3354, 0.4541)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 97C970 |
| RGB | 151, 201, 112 |
| RGB Percent | 59%, 79%, 44% |
| CMY | 0.4077, 0.2118, 0.5608 |
| CMYK | 0.25, 0.00, 0.44, 0.21 |
| HSL | 94°, 45%, 61% |
| HSV | 94°, 44%, 79% |
| XYZ | 36.5774, 49.5224, 22.9563 |
| YIQ | 175.9040, -1.2310, -38.2790 |

Conversions

Conversions Part 2

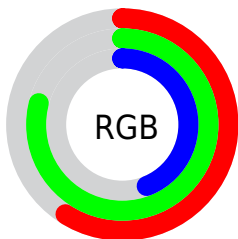
| Format | Color |
|-------------------------------------|--|
| RYB | 112, 201, 162 |
| Decimal | 9947504 |
| CIELab | 75.78, -31.90, 39.20 |
| CIELCh | 76, 50.534, 129.136 |
| Yxy | 49.5224, 0.3354, 0.4541 |
| Android (android.graphics.Color) | 4288137584 (0xFF97C970) |
| YUV | 175.9040, -31.5047, -21.8408 |
| Hunter-Lab | 70.3722, -30.3721, 29.9193 |

Details

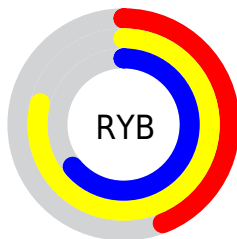
The Yxy color **49.5224, 0.3354, 0.4541** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.4798, 0.2767, 0.2081**, and the grayscale version is **43.5347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5020, 0.3336, 0.4275**, and **23.8119, 0.3373, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **48.0970, 0.3382, 0.4844**, and if you desaturate by 10%, it is **51.1554, 0.3313, 0.4235**.

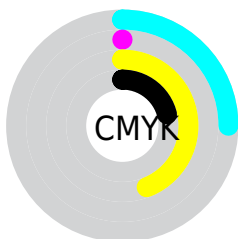
Distribution



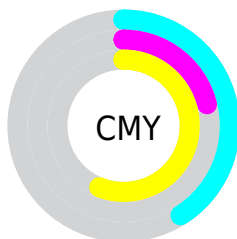
- Red (59%)
- Green (79%)
- Blue (44%)



- Red (44%)
- Yellow (79%)
- Blue (64%)



- Cyan (25%)
- Magenta (0%)
- Yellow (44%)
- Black (21%)





- Cyan (41%)
- Magenta (21%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5224, 0.3354, 0.4541 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 49.5224, 0.3354, 0.4541 by changing the saturation by 10% instead.


 49.5224, 0.3354,
0.4541

 49.5224, 0.3354,
0.4541


384.7953, 0.3267,
0.3894

 35.0341, 0.3365,
0.4706

 89.4668, 0.3330,
0.4302


 23.6891, 0.3373,
0.4919


 115.6917, 0.3318,
0.4214

 15.1032, 0.3371,
0.5200


 146.5976, 0.3308,
0.4139

 8.8918, 0.3342,
0.5585

 182.5688, 0.3298,
0.4075

 4.6707, 0.3293,
0.6219

223.9898, 0.3289,
0.4020

 2.0554, 0.3002,
0.6998

271.2449, 0.3281,

 0.6393, 0.0000,

0.3973

1.0000

324.7186, 0.3274,
0.3931

0.0000, 0.0000,
0.0000

49.5224, 0.3354,
0.4541

49.5224, 0.3354,
0.4541

48.0970, 0.3382,
0.4844

51.1554, 0.3313,
0.4235

46.8631, 0.3394,
0.5128

52.9984, 0.3263,
0.3936

45.8122, 0.3387,
0.5377


55.0619, 0.3209,
0.3655

44.9326, 0.3359,
0.5576

57.3536, 0.3152,
0.3394

44.2102, 0.3313,
0.5715


59.8809, 0.3095,
0.3158

 43.8553, 0.3283,
0.5776

 62.6509, 0.3039,
0.2944

 65.6702, 0.2986,
0.2754

 67.7461, 0.3052,
0.2745

 69.7970, 0.3134,
0.2759

Harmonies

Analogous

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



49.5224, 0.3984, 0.4458



49.5224, 0.3354, 0.4541



49.5224, 0.2697, 0.4154

Triad

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



49.5224, 0.3354, 0.4541



49.5224, 0.1963, 0.2375



49.5224, 0.4127, 0.3041

Complementary

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



49.5224, 0.3354, 0.4541



23.4798, 0.2767, 0.2081

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.



49.5224, 0.3474, 0.2606



49.5224, 0.3354, 0.4541



49.5224, 0.2250, 0.2229

Square

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



49.5224, 0.3354, 0.4541



49.5224, 0.1939, 0.2790



49.5224, 0.2780, 0.2318



49.5224, 0.4481, 0.3551

Rectangle

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



49.5224, 0.3354, 0.4541



49.5224, 0.2333, 0.3698



49.5224, 0.2780, 0.2318



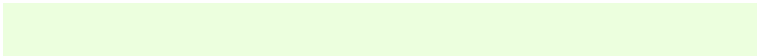
49.5224, 0.3931, 0.2884

Sweetspot

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



49.5246, 0.3354, 0.4541



94.6857, 0.3202, 0.3625



39.0572, 0.3992, 0.3922



20.0882, 0.3215, 0.3686



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.



49.5246, 0.3354, 0.4541



82.4717, 0.3381, 0.4828



46.4879, 0.3037, 0.4592



12.1116, 0.3181, 0.3524



27.6273, 0.3293, 0.5767



1.3508, 0.3461, 0.5634

Inverse Universe

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



23.4798, 0.2767, 0.2081



32.3150, 0.2664, 0.1814



28.0138, 0.3224, 0.2263



10.5762, 0.3069, 0.3057



4.9071, 0.2157, 0.0962



0.2747, 0.2371, 0.1080

Previews

White Background



This preview shows how the Yxy color 49.5224, 0.3354, 0.4541 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 49.5224, 0.3354, 0.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

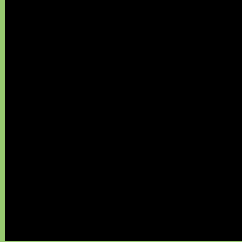
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5224, 0.3354, 0.4541

Background



This preview shows how black text looks on a background with the Yxy color 49.5224, 0.3354, 0.4541.

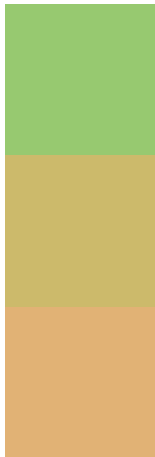


This preview shows how white text looks on a background with the Yxy color 49.5224, 0.3354, 0.4541.

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

49.5224, 0.3354, 0.4541

Protanopia

49.0167, 0.3919, 0.4258

Deuteranopia

49.1327, 0.4080, 0.3995



Tritanopia

49.2340, 0.2826, 0.3095

Trichromacy



Original Color

49.5224, 0.3354, 0.4541

Protanomaly

48.6800, 0.3704, 0.4356

Deuteranomaly

48.3614, 0.3803, 0.4186

Tritanomaly

48.9974, 0.3026, 0.3604

Monochromacy



Original Color

49.5224, 0.3354, 0.4541

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.2133, 0.3225, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5224, 0.3354, 0.4541 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(151, 201, 112)` looks like.

```
.text, #text, p{  
    color:rgb(151, 201, 112)  
}
```

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(151, 201, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 201, 112) }
```

Border

The CSS property to change the border of an element to Yxy 49.5224, 0.3354, 0.4541 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(151, 201, 112) }
```

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

```
.border{ border-color:rgb(151, 201, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 201, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 201, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 201, 112); box-shadow:4px 4px 4px 4px rgb(151, 201, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5224, 0.3354, 0.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 201, 112) }
```

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

```
.background{ background-color: rgb(151,  
201, 112) }
```

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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