

Converting Colors

$Yxy(48.5720, 0.3320, 0.4517)$

Have a look what the booklet for
Yxy(48.5720, 0.3320, 0.4517)
contains.

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Color

Yxy(48.7967, 0.3325, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	94C871
RGB	148, 200, 113
RGB Percent	58%, 78%, 44%
CMY	0.4198, 0.2156, 0.5568
CMYK	0.26, 0.00, 0.44, 0.22
HSL	96°, 44%, 61%
HSV	96°, 44%, 78%
XYZ	35.8403, 48.7967, 23.1534
YIQ	174.5340, -3.0650, -38.0810

Conversions

Conversions Part 2

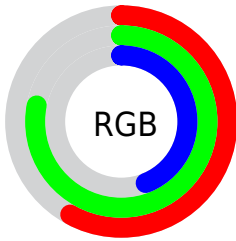
Format	Color
RYB	113, 200, 165
Decimal	9750641
CIELab	75.32, -32.41, 38.08
CIElCh	75, 50.008, 130.403
Yxy	48.7967, 0.3325, 0.4527
Android (android.graphics.Color)	4287940721 (0xFF94C871)
YUV	174.5340, -30.3363, -23.2703
Hunter-Lab	69.8546, -30.6627, 29.2465

Details

The Yxy color **48.7967, 0.3325, 0.4527** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.9898, 0.2809, 0.2114**, and the grayscale version is **42.7728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1105, 0.3311, 0.4270**, and **23.3495, 0.3338, 0.4904** is the 20% darker color. If you saturate the color by 10%, you get **47.3382, 0.3349, 0.4836**, and if you desaturate by 10%, it is **50.4741, 0.3289, 0.4216**.

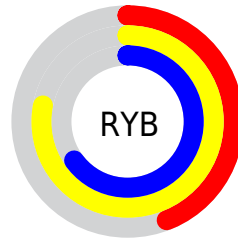
Distribution



Red (58%)

Green (78%)

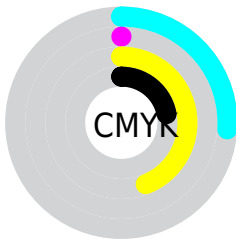
Blue (44%)



Red (44%)

Yellow (78%)

Blue (65%)

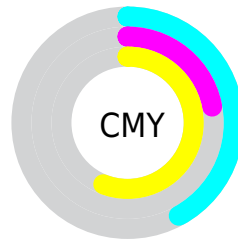


Cyan (26%)

Magenta (0%)

Yellow (44%)

Black (22%)



Cyan (42%)


Magenta (22%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7967, 0.3325, 0.4527 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 48.7967, 0.3325, 0.4527 by changing the saturation by 10% instead.


 48.7967, 0.3325,
0.4527


 48.7967, 0.3325,
0.4527


381.9414, 0.3251,
0.3884


 34.4582, 0.3333,
0.4692


 88.3894, 0.3305,
0.4289

 23.2459, 0.3338,
0.4905


 114.4125, 0.3296,
0.4201

 14.7751, 0.3331,
0.5189


 145.0992, 0.3287,
0.4127

 8.6617, 0.3297,
0.5580

 180.8340, 0.3278,
0.4064

 4.5212, 0.3238,
0.6224

222.0012, 0.3271,
0.4010

 1.9692, 0.2943,
0.7057

268.9852, 0.3264,

 0.5895, 0.0000,

0.3962

1.0000

322.1705, 0.3257,
0.3921

0.0000, 0.0000,
0.0000

48.7967, 0.3325,
0.4527

48.7967, 0.3325,
0.4527

47.3382, 0.3349,
0.4836

50.4741, 0.3289,
0.4216

46.0822, 0.3358,
0.5128

52.3735, 0.3245,
0.3916

45.0198, 0.3348,
0.5386


54.5056, 0.3196,
0.3634


44.1386, 0.3320,
0.5593


56.8787, 0.3145,
0.3375


43.4241, 0.3274,
0.5740

59.5005, 0.3094,
0.3140

 43.0350, 0.3239,
0.5810

 62.3785, 0.3044,
0.2930

 65.5198, 0.2996,
0.2742

 67.7158, 0.3070,
0.2738

 69.7957, 0.3152,
0.2752

Harmonies

Analogous

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



48.7967, 0.3957, 0.4463



48.7967, 0.3325, 0.4527



48.7967, 0.2674, 0.4124

Triad

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



48.7967, 0.3325, 0.4527



48.7967, 0.1976, 0.2369



48.7967, 0.4144, 0.3063

Complementary

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



48.7967, 0.3325, 0.4527



23.9898, 0.2809, 0.2114

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.



48.7967, 0.3502, 0.2625



48.7967, 0.3325, 0.4527



48.7967, 0.2272, 0.2233

Square

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



48.7967, 0.3325, 0.4527



48.7967, 0.1941, 0.2770



48.7967, 0.2809, 0.2331



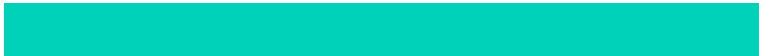
48.7967, 0.4479, 0.3572

Rectangle

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



48.7967, 0.3325, 0.4527



48.7967, 0.2317, 0.3665



48.7967, 0.2809, 0.2331



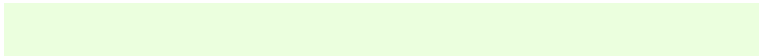
48.7967, 0.3953, 0.2905

Sweetspot

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



48.7988, 0.3325, 0.4527



94.4756, 0.3195, 0.3626



39.9394, 0.3956, 0.3947



20.0365, 0.3206, 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.



48.7988, 0.3325, 0.4527



82.1240, 0.3348, 0.4813



46.1891, 0.3021, 0.4519



12.0922, 0.3175, 0.3525



27.4076, 0.3249, 0.5802



1.3397, 0.3419, 0.5667

Inverse Universe

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



23.9898, 0.2809, 0.2114



33.7598, 0.2717, 0.1859



27.9327, 0.3253, 0.2311



10.5960, 0.3075, 0.3058



5.2297, 0.2237, 0.1006



0.2890, 0.2438, 0.1117

Previews

White Background



This preview shows how the Yxy color 48.7967, 0.3325, 0.4527 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 48.7967, 0.3325, 0.4527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

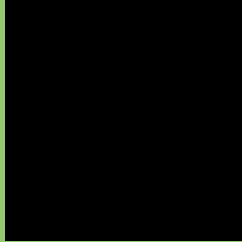
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7967, 0.3325, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 48.7967, 0.3325, 0.4527.



This preview shows how white text looks on a background with the Yxy color 48.7967, 0.3325, 0.4527.

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

48.7967, 0.3325, 0.4527

Protanopia

48.4560, 0.3915, 0.4251

Deuteranopia

48.4403, 0.4059, 0.3979



Tritanopia

48.4844, 0.2803, 0.3080

Trichromacy



Original Color

48.7967, 0.3325, 0.4527

Protanomaly

47.9983, 0.3691, 0.4352

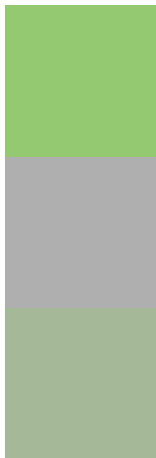
Deuteranomaly

47.6946, 0.3782, 0.4169

Tritanomaly

48.2866, 0.2996, 0.3579

Monochromacy



Original Color

48.7967, 0.3325, 0.4527

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.5473, 0.3216, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7967, 0.3325, 0.4527 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(148, 200, 113)` looks like.

```
.text, #text, p{  
    color:rgb(148, 200, 113)  
}
```

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(148, 200, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 200, 113) }
```

Border

The CSS property to change the border of an element to Yxy 48.7967, 0.3325, 0.4527 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(148, 200, 113) }
```

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

```
.border{ border-color:rgb(148, 200, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 200, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 200, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 200, 113);  
box-shadow:4px 4px 4px 4px rgb(148, 200,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7967, 0.3325, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 200, 113) }
```

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

```
.background{ background-color: rgb(148,  
200, 113) }
```

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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