

Converting Colors

Yxy(47.4542, 0.3324, 0.4756)

Have a look what the booklet for
Yxy(47.4542, 0.3324, 0.4756)
contains.

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Color

Yxy(47.5278, 0.3323, 0.4754)

Conversions

Conversions Part 1

Format	Color
Hex	89C863
RGB	137, 200, 99
RGB Percent	54%, 78%, 39%
CMY	0.4628, 0.2157, 0.6118
CMYK	0.32, 0.00, 0.51, 0.22
HSL	97°, 48%, 59%
HSV	97°, 51%, 78%
XYZ	33.2215, 47.5278, 19.2251
YIQ	169.6490, -5.1270, -44.7670

Conversions

Conversions Part 2

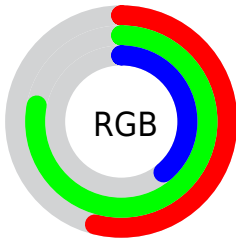
Format	Color
R_{YB}	99, 200, 162
Decimal	9029731
CIE _{Lab}	74.53, -37.99, 43.88
CIE _{LCh}	75, 58.041, 130.888
Yxy	47.5278, 0.3323, 0.4754
Android (android.graphics.Color)	4287219811 (0xFF89C863)
YUV	169.6490, -34.8300, -28.6332
Hunter-Lab	68.9404, -34.6289, 31.7244

Details

The Yxy color **47.5278, 0.3323, 0.4754** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.7754, 0.2767, 0.1930**, and the grayscale version is **40.1927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1245, 0.3315, 0.4449**, and **22.6102, 0.3314, 0.5211** is the 20% darker color. If you saturate the color by 10%, you get **46.1994, 0.3333, 0.5057**, and if you desaturate by 10%, it is **49.0770, 0.3299, 0.4440**.

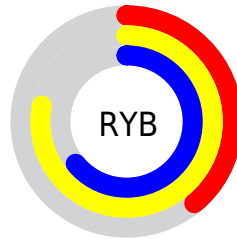
Distribution



Red (54%)

Green (78%)

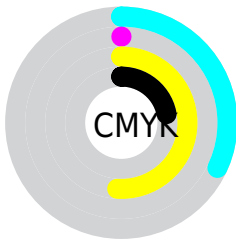
Blue (39%)



Red (39%)

Yellow (78%)

Blue (64%)

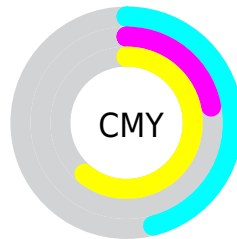


Cyan (32%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (46%)


Magenta (22%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5278, 0.3323, 0.4754 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 47.5278, 0.3323, 0.4754 by changing the saturation by 10% instead.


 47.5278, 0.3323,
0.4754


 47.5278, 0.3323,
0.4754


376.9174, 0.3261,
0.3987


 33.4531, 0.3324,
0.4951


 86.5009, 0.3311,
0.4470

 22.4738, 0.3315,
0.5205


 112.1681, 0.3303,
0.4364

 14.2054, 0.3285,
0.5541


 142.4683, 0.3295,
0.4276

 8.2637, 0.3206,
0.5996

 177.7858, 0.3288,
0.4201

 4.2641, 0.3129,
0.6871

218.5051, 0.3280,
0.4136

 1.8224, 0.2480,
0.7520

265.0105, 0.3273,

 0.5011, 0.0000,

0.4080

1.0000

317.6865, 0.3267,
0.4031

0.0000, 0.0000,
0.0000

47.5278, 0.3323,
0.4754

47.5278, 0.3323,
0.4754

46.1994, 0.3333,
0.5057

49.0770, 0.3299,
0.4440

45.0743, 0.3327,
0.5330

50.8511, 0.3264,
0.4128

44.1422, 0.3302,
0.5558

52.8619, 0.3222,
0.3831

43.3887, 0.3261,
0.5725

55.1182, 0.3177,
0.3554

42.8168, 0.3211,
0.5832

57.6287, 0.3130,
0.3302

■ 60.4013, 0.3082,
0.3075

■ 63.4438, 0.3037,
0.2872

■ 66.5031, 0.3020,
0.2730

■ 68.7239, 0.3110,
0.2745

Harmonies

Analogous

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



47.5278, 0.4056, 0.4649



47.5278, 0.3323, 0.4754



47.5278, 0.2578, 0.4272

Triad

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



47.5278, 0.3323, 0.4754



47.5278, 0.1816, 0.2220



47.5278, 0.4328, 0.3025

Complementary

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



47.5278, 0.3323, 0.4754



20.7754, 0.2767, 0.1930

Split Complementary

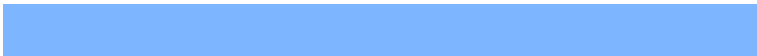
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.5278, 0.3573, 0.2533



47.5278, 0.3323, 0.4754



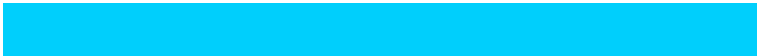
47.5278, 0.2150, 0.2082

Square

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



47.5278, 0.3323, 0.4754



47.5278, 0.1768, 0.2661



47.5278, 0.2763, 0.2200



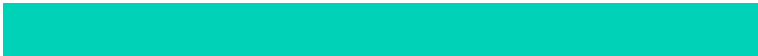
47.5278, 0.4707, 0.3597

Rectangle

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



47.5278, 0.3323, 0.4754



47.5278, 0.2176, 0.3712



47.5278, 0.2763, 0.2200



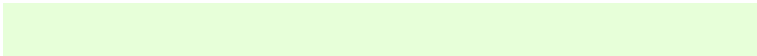
47.5278, 0.4104, 0.2848

Sweetspot

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



47.5299, 0.3323, 0.4754



93.5287, 0.3199, 0.3682



38.7705, 0.4097, 0.4086



19.8418, 0.3208, 0.3741



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.



47.5299, 0.3323, 0.4754



79.6947, 0.3333, 0.5096



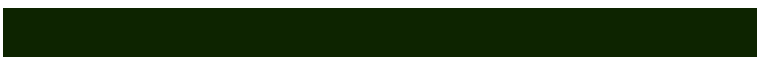
45.1067, 0.2987, 0.4702



12.0790, 0.3171, 0.3525



27.2700, 0.3221, 0.5824



1.3325, 0.3391, 0.5690

Inverse Universe

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



20.7754, 0.2767, 0.1930



28.0306, 0.2656, 0.1638



24.8432, 0.3315, 0.2203



10.6096, 0.3079, 0.3058



5.4653, 0.2293, 0.1037



0.2992, 0.2485, 0.1143

Previews

White Background



This preview shows how the Yxy color 47.5278, 0.3323, 0.4754 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 47.5278, 0.3323, 0.4754 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 47.5278, 0.3323, 0.4754

Background



This preview shows how black text looks on a background with the Yxy color 47.5278, 0.3323, 0.4754.



This preview shows how white text looks on a background with the Yxy color 47.5278, 0.3323, 0.4754.

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

47.5278, 0.3323, 0.4754

Protanopia

47.2138, 0.4018, 0.4385

Deuteranopia

46.8423, 0.4167, 0.4078



Tritanopia

47.5271, 0.2745, 0.3089

Trichromacy



Original Color

47.5278, 0.3323, 0.4754



Protanomaly

46.6864, 0.3746, 0.4528



Deuteranomaly

45.9226, 0.3843, 0.4319



Tritanomaly

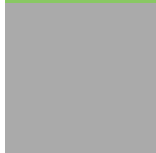
47.0961, 0.2962, 0.3672

Monochromacy



Original Color

47.5278, 0.3323, 0.4754



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.3305, 0.3222, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5278, 0.3323, 0.4754 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(137, 200, 99)` looks like.

```
.text, #text, p{  
    color:rgb(137, 200, 99)  
}
```

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(137, 200, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 200, 99) }
```

Border

The CSS property to change the border of an element to Yxy 47.5278, 0.3323, 0.4754 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(137, 200, 99) }
```

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

```
.border{ border-color:rgb(137, 200, 99) }
```

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

Here you see how a box with a 4 pixel rgb(137, 200, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 200, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 200, 99);  
box-shadow:4px 4px 4px 4px rgb(137, 200,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5278, 0.3323, 0.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 200, 99) }
```

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

```
.background{ background-color: rgb(137,  
200, 99) }
```

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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