

Converting Colors

$Yxy(47.0398, 0.3219, 0.4557)$

Have a look what the booklet for
Yxy(47.0398, 0.3219, 0.4557)
contains.

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Color

Yxy(47.1074, 0.3217, 0.4560)

Conversions

Conversions Part 1

Format	Color
Hex	86C771
RGB	134, 199, 113
RGB Percent	53%, 78%, 44%
CMY	0.4746, 0.2196, 0.5568
CMYK	0.33, 0.00, 0.43, 0.22
HSL	105°, 43%, 61%
HSV	105°, 43%, 78%
XYZ	33.2334, 47.1074, 22.9649
YIQ	169.7610, -11.1340, -40.5260

Conversions

Conversions Part 2

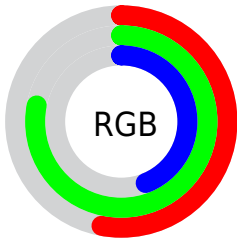
Format	Color
RYB	113, 199, 178
Decimal	8832881
CIELab	74.26, -36.80, 36.57
CIELCh	74, 51.876, 135.179
Yxy	47.1074, 0.3217, 0.4560
Android (android.graphics.Color)	4287022961 (0xFF86C771)
YUV	169.7610, -27.9832, -31.3624
Hunter-Lab	68.6348, -33.6801, 28.2063

Details

The Yxy color **47.1074, 0.3217, 0.4560** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.4042, 0.2953, 0.2169**, and the grayscale version is **40.2184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0920, 0.3216, 0.4300**, and **22.3590, 0.3201, 0.4965** is the 20% darker color. If you saturate the color by 10%, you get **45.5597, 0.3221, 0.4891**, and if you desaturate by 10%, it is **48.9333, 0.3204, 0.4232**.

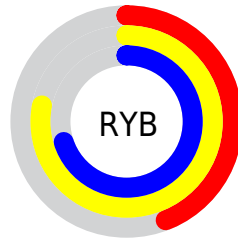
Distribution



Red (53%)

Green (78%)

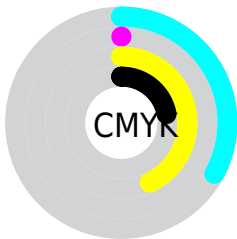
Blue (44%)



Red (44%)

Yellow (78%)

Blue (70%)

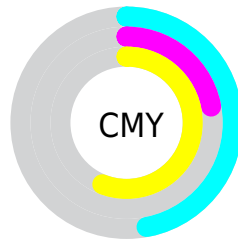


Cyan (33%)

Magenta (0%)

Yellow (43%)

Black (22%)



Cyan (47%)


Magenta (22%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1074, 0.3217, 0.4560 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 47.1074, 0.3217, 0.4560 by changing the saturation by 10% instead.


 47.1074, 0.3217,
0.4560

 47.1074, 0.3217,
0.4560


375.2431, 0.3198,
0.3892

 33.1206, 0.3212,
0.4735


 85.8739, 0.3217,
0.4310

 22.2188, 0.3198,
0.4963


 111.4224, 0.3215,
0.4219

 14.0178, 0.3168,
0.5271


 141.5935, 0.3212,
0.4142

 8.1330, 0.3100,
0.5701

 176.7717, 0.3209,
0.4077

 4.1802, 0.2994,
0.6440

217.3414, 0.3206,
0.4020

 1.7749, 0.2533,
0.7467

263.6869, 0.3203,

 0.4714, 0.0000,

0.3972

1.0000

316.1927, 0.3201,
0.3929

0.0000, 0.0000,
0.0000

47.1074, 0.3217,
0.4560

47.1074, 0.3217,
0.4560

45.5597, 0.3221,
0.4891

48.9333, 0.3204,
0.4232

44.2703, 0.3214,
0.5206

51.0443, 0.3185,
0.3919

43.2260, 0.3194,
0.5484

53.4544, 0.3162,
0.3630

42.4100, 0.3163,
0.5705


56.1748, 0.3136,
0.3368

41.8027, 0.3122,
0.5856

59.2164, 0.3109,
0.3135

 41.4918, 0.3094,
0.5925

 62.5892, 0.3082,
0.2929

 66.3031, 0.3056,
0.2748

 69.2086, 0.3148,
0.2741

 69.3302, 0.3153,
0.2742

Harmonies

Analogous

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



47.1074, 0.3894, 0.4558



47.1074, 0.3217, 0.4560



47.1074, 0.2552, 0.4062

Triad

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



47.1074, 0.3217, 0.4560



47.1074, 0.1958, 0.2286



47.1074, 0.4278, 0.3130

Complementary

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



47.1074, 0.3217, 0.4560



25.4042, 0.2953, 0.2169

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.



47.1074, 0.3638, 0.2660



47.1074, 0.3217, 0.4560



47.1074, 0.2307, 0.2189

Square

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



47.1074, 0.3217, 0.4560



47.1074, 0.1877, 0.2656



47.1074, 0.2901, 0.2327



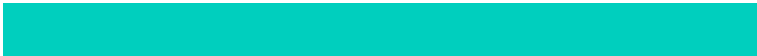
47.1074, 0.4560, 0.3664

Rectangle

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



47.1074, 0.3217, 0.4560



47.1074, 0.2206, 0.3559



47.1074, 0.2901, 0.2327



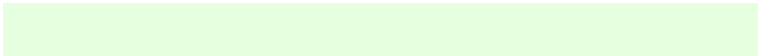
47.1074, 0.4094, 0.2963

Sweetspot

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



47.1094, 0.3217, 0.4560



93.5982, 0.3162, 0.3629



44.9804, 0.3871, 0.4111



19.8216, 0.3167, 0.3692



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.



47.1094, 0.3217, 0.4560



79.8780, 0.3221, 0.4876



46.0967, 0.2933, 0.4282



12.0107, 0.3152, 0.3526



26.7127, 0.3102, 0.5919



1.2999, 0.3258, 0.5795

Inverse Universe

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



25.4042, 0.2953, 0.2169



36.8714, 0.2899, 0.1930



27.1493, 0.3413, 0.2474



10.6813, 0.3100, 0.3060



6.8918, 0.2604, 0.1208



0.3585, 0.2736, 0.1281

Previews

White Background



This preview shows how the Yxy color 47.1074, 0.3217, 0.4560 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 47.1074, 0.3217, 0.4560 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 47.1074, 0.3217, 0.4560

Background



This preview shows how black text looks on a background with the Yxy color 47.1074, 0.3217, 0.4560.



This preview shows how white text looks on a background with the Yxy color 47.1074, 0.3217, 0.4560.

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

47.1074, 0.3217, 0.4560

Protanopia

46.6595, 0.3894, 0.4232

Deuteranopia

46.5094, 0.4021, 0.3947



Tritanopia

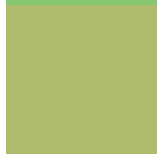
46.7156, 0.2716, 0.3074

Trichromacy



Original Color

47.1074, 0.3217, 0.4560



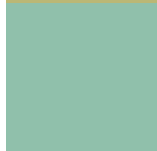
Protanomaly

46.1845, 0.3626, 0.4358



Deuteranomaly

45.7161, 0.3699, 0.4161



Tritanomaly

46.5688, 0.2905, 0.3588

Monochromacy



Original Color

47.1074, 0.3217, 0.4560



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.3858, 0.3174, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1074, 0.3217, 0.4560 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(134, 199, 113)` looks like.

```
.text, #text, p{  
    color:rgb(134, 199, 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(134, 199, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 199, 113) }
```

Border

The CSS property to change the border of an element to Yxy 47.1074, 0.3217, 0.4560 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(134, 199, 113) }
```

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

```
.border{ border-color:rgb(134, 199, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 199, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 199, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 199, 113);  
box-shadow:4px 4px 4px 4px rgb(134, 199,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1074, 0.3217, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 199, 113) }
```

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

```
.background{ background-color: rgb(134,  
199, 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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