

Converting Colors

$Yxy(47.3611, 0.3220, 0.4255)$

Have a look what the booklet for
Yxy(47.3611, 0.3220, 0.4255)
contains.

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Color

Yxy(47.2679, 0.3219, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	93C481
RGB	147, 196, 129
RGB Percent	58%, 77%, 51%
CMY	0.4236, 0.2313, 0.4941
CMYK	0.25, 0.00, 0.34, 0.23
HSL	104°, 36%, 64%
HSV	104°, 34%, 77%
XYZ	35.7340, 47.2679, 28.0077
YIQ	173.7110, -7.6970, -31.2250

Conversions

Conversions Part 2

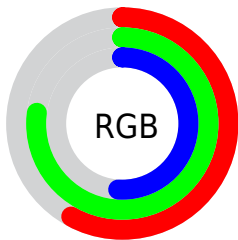
Format	Color
RYB	129, 196, 178
Decimal	9684097
CIELab	74.36, -28.62, 28.60
CIElCh	74, 40.458, 135.016
Yxy	47.2679, 0.3219, 0.4258
Android (android.graphics.Color)	4287874177 (0xFF93C481)
YUV	173.7110, -22.0425, -23.4255
Hunter-Lab	68.7517, -27.5392, 23.9729

Details

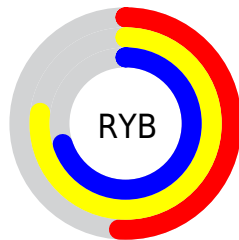
The Yxy color **47.2679, 0.3219, 0.4258** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.1518, 0.2983, 0.2404**, and the grayscale version is **42.2898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1845, 0.3213, 0.4076**, and **22.3434, 0.3224, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **45.5539, 0.3234, 0.4584**, and if you desaturate by 10%, it is **49.2511, 0.3197, 0.3946**.

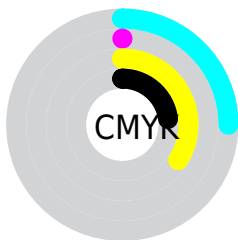
Distribution



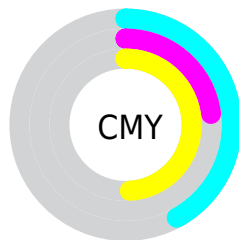
- Red (58%)
- Green (77%)
- Blue (51%)



- Red (51%)
- Yellow (77%)
- Blue (70%)



- Cyan (25%)
- Magenta (0%)
- Yellow (34%)
- Black (23%)




- Cyan (42%)
- Magenta (23%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2679, 0.3219, 0.4258 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 47.2679, 0.3219, 0.4258 by changing the saturation by 10% instead.


 47.2679, 0.3219,
0.4258

 47.2679, 0.3219,
0.4258


375.8829, 0.3188,
0.3753

 33.2475, 0.3221,
0.4390


 86.1134, 0.3211,
0.4070

 22.3161, 0.3221,
0.4562


 111.7072, 0.3207,
0.4001

 14.0894, 0.3213,
0.4795


 141.9277, 0.3204,
0.3943

 8.1828, 0.3189,
0.5127

177.1591, 0.3200,
0.3893

 4.2122, 0.3120,
0.5628

217.7860, 0.3196,
0.3851

 1.7929, 0.3119,
0.6881

264.1926, 0.3193,

 0.4828, 0.0000,

0.3814

1.0000

316.7635, 0.3190,
0.3782

0.0000, 0.0000,
0.0000

47.2679, 0.3219,
0.4258

47.2679, 0.3219,
0.4258

45.5539, 0.3234,
0.4584

49.2511, 0.3197,
0.3946

44.0913, 0.3240,
0.4911

51.5084, 0.3169,
0.3656

42.8693, 0.3234,
0.5220


54.0523, 0.3140,
0.3392

41.8740, 0.3214,
0.5491

56.8925, 0.3109,
0.3156

41.0899, 0.3182,
0.5705

60.0385, 0.3079,
0.2947

 40.4989, 0.3139,
0.5850

 63.4991, 0.3049,
0.2763

 40.2297, 0.3113,
0.5910

 66.5401, 0.3097,
0.2702

 67.9625, 0.3154,
0.2712

Harmonies

Analogous

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



47.2679, 0.3753, 0.4285



47.2679, 0.3219, 0.4258



47.2679, 0.2687, 0.3882

Triad

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



47.2679, 0.3219, 0.4258



47.2679, 0.2186, 0.2496



47.2679, 0.4020, 0.3175

Complementary

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



47.2679, 0.3219, 0.4258



29.1518, 0.2983, 0.2404

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.



47.2679, 0.3528, 0.2786



47.2679, 0.3219, 0.4258



47.2679, 0.2474, 0.2404

Square

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



47.2679, 0.3219, 0.4258



47.2679, 0.2123, 0.2808



47.2679, 0.2953, 0.2512



47.2679, 0.4247, 0.3613

Rectangle

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



47.2679, 0.3219, 0.4258



47.2679, 0.2403, 0.3509



47.2679, 0.2953, 0.2512



47.2679, 0.3878, 0.3036

Sweetspot

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



47.2699, 0.3219, 0.4258



95.0977, 0.3158, 0.3546



44.7737, 0.3711, 0.3914



20.2168, 0.3162, 0.3585



0.0000, 0.0000, 0.0000



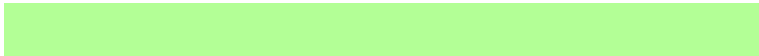
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.2699, 0.3219, 0.4258



83.2643, 0.3231, 0.4500



46.1483, 0.2984, 0.4075



11.3867, 0.3155, 0.3525



25.8843, 0.3121, 0.5904



1.1535, 0.3296, 0.5765

Inverse Universe

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



29.1518, 0.2983, 0.2404



45.4946, 0.2940, 0.2205



30.7928, 0.3315, 0.2617



10.1071, 0.3096, 0.3060



6.3778, 0.2545, 0.1176



0.3079, 0.2700, 0.1261

Previews

White Background



This preview shows how the Yxy color 47.2679, 0.3219, 0.4258 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 47.2679, 0.3219, 0.4258 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 47.2679, 0.3219, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 47.2679, 0.3219, 0.4258.



This preview shows how white text looks on a background with the Yxy color 47.2679, 0.3219, 0.4258.

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

47.2679, 0.3219, 0.4258

Protanopia

46.7563, 0.3749, 0.4046

Deuteranopia

46.9801, 0.3866, 0.3788



Tritanopia

47.1758, 0.2799, 0.3091

Trichromacy



Original Color

47.2679, 0.3219, 0.4258

Protanomaly

46.6050, 0.3547, 0.4126

Deuteranomaly

46.6093, 0.3616, 0.3957

Tritanomaly

46.8906, 0.2959, 0.3497

Monochromacy



Original Color

47.2679, 0.3219, 0.4258

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8170, 0.3163, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2679, 0.3219, 0.4258 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(147, 196, 129)` looks like.

```
.text, #text, p{  
    color:rgb(147, 196, 129)  
}
```

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(147, 196, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 196, 129) }
```

Border

The CSS property to change the border of an element to Yxy 47.2679, 0.3219, 0.4258 is called "border". The border property can be set on classes, ids or directly on the HTML element.

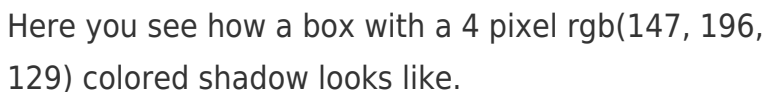
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 196, 129) }
```

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

```
.border{ border-color:rgb(147, 196, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 196, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 196, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 196, 129); box-shadow:4px 4px 4px 4px rgb(147, 196, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2679, 0.3219, 0.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 196, 129) }
```

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

```
.background{ background-color: rgb(147,  
196, 129) }
```

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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