

Converting Colors

$Yxy(47.8681, 0.3166, 0.4342)$

Have a look what the booklet for
Yxy(47.8681, 0.3166, 0.4342)
contains.

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Color

Yxy(47.8681, 0.3166, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	8BC77F
RGB	139, 199, 127
RGB Percent	55%, 78%, 50%
CMY	0.4548, 0.2196, 0.5020
CMYK	0.30, 0.00, 0.36, 0.22
HSL	110°, 39%, 64%
HSV	110°, 36%, 78%
XYZ	34.9034, 47.8681, 27.4729
YIQ	172.8520, -12.6480, -35.1120

Conversions

Conversions Part 2

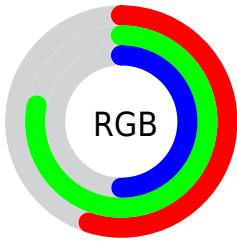
Format	Color
RYB	127, 199, 187
Decimal	9160575
CIELab	74.74, -33.08, 30.07
CIELCh	75, 44.702, 137.724
Yxy	47.8681, 0.3166, 0.4342
Android (android.graphics.Color)	4287350655 (0xFF8BC77F)
YUV	172.8520, -22.6050, -29.6882
Hunter-Lab	69.1868, -31.0271, 24.8877

Details

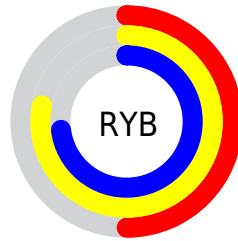
The Yxy color **47.8681, 0.3166, 0.4342** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.8590, 0.3046, 0.2369**, and the grayscale version is **41.8344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2846, 0.3172, 0.4131**, and **22.7651, 0.3144, 0.4677** is the 20% darker color. If you saturate the color by 10%, you get **46.0810, 0.3167, 0.4681**, and if you desaturate by 10%, it is **49.9780, 0.3160, 0.4017**.

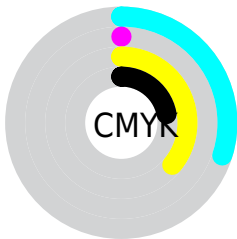
Distribution



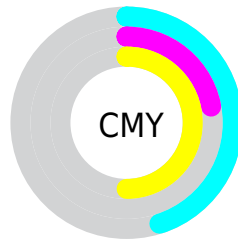
- Red (55%)
- Green (78%)
- Blue (50%)



- Red (50%)
- Yellow (78%)
- Blue (73%)



- Cyan (30%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)




- Cyan (45%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8681, 0.3166, 0.4342 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 47.8681, 0.3166, 0.4342 by changing the saturation by 10% instead.


 47.8681, 0.3166,
0.4342


 47.8681, 0.3166,
0.4342


378.2691, 0.3164,
0.3791


 33.7224, 0.3160,
0.4486


 87.0080, 0.3170,
0.4137

 22.6805, 0.3148,
0.4675


 112.7710, 0.3170,
0.4061

 14.3577, 0.3125,
0.4930


 143.1753, 0.3169,
0.3998

 8.3699, 0.3077,
0.5294

178.6052, 0.3168,
0.3944

 4.3325, 0.2970,
0.5843

219.4451, 0.3167,
0.3898

 1.8613, 0.2855,
0.7145

266.0795, 0.3166,

 0.5249, 0.0000,

0.3858

1.0000

318.8927, 0.3165,
0.3823

■ 0.0000, 0.0000,
0.0000

■ 47.8681, 0.3166,
0.4342

■ 47.8681, 0.3166,
0.4342

■ 46.0810, 0.3167,
0.4681

■ 49.9780, 0.3160,
0.4017

■ 44.5949, 0.3160,
0.5019

■ 52.4194, 0.3149,
0.3716

■ 43.3947, 0.3145,
0.5333

■ 55.2079, 0.3136,
0.3443


■ 42.4615, 0.3122,
0.5601


■ 58.3566, 0.3121,
0.3201

■ 41.7739, 0.3093,
0.5802

■ 61.8777, 0.3106,
0.2989

 41.3067, 0.3059,
0.5927

 65.7830, 0.3091,
0.2803

 41.1750, 0.3049,
0.5961

 69.3274, 0.3153,
0.2742

Harmonies

Analogous

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



47.8681, 0.3758, 0.4397



47.8681, 0.3166, 0.4342



47.8681, 0.2594, 0.3893

Triad

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



47.8681, 0.3166, 0.4342



47.8681, 0.2121, 0.2403



47.8681, 0.4147, 0.3200

Complementary

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



47.8681, 0.3166, 0.4342



29.8590, 0.3046, 0.2369

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.



47.8681, 0.3622, 0.2774



47.8681, 0.3166, 0.4342



47.8681, 0.2452, 0.2328

Square

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



47.8681, 0.3166, 0.4342



47.8681, 0.2030, 0.2715



47.8681, 0.2988, 0.2464



47.8681, 0.4362, 0.3675

Rectangle

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



47.8681, 0.3166, 0.4342



47.8681, 0.2300, 0.3470



47.8681, 0.2988, 0.2464



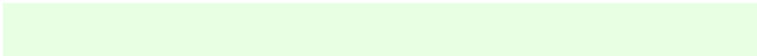
47.8681, 0.3999, 0.3049

Sweetspot

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



47.8701, 0.3166, 0.4342



94.1586, 0.3143, 0.3575



48.7071, 0.3719, 0.4035



20.0113, 0.3145, 0.3613



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.



47.8701, 0.3166, 0.4342



81.4332, 0.3167, 0.4594



47.5536, 0.2929, 0.4019



11.9716, 0.3141, 0.3527



26.5023, 0.3055, 0.5956



1.2822, 0.3181, 0.5856

Inverse Universe

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



29.8590, 0.3046, 0.2369



45.5264, 0.3022, 0.2182



30.4597, 0.3407, 0.2661



10.7235, 0.3112, 0.3060



7.8794, 0.2794, 0.1313



0.3976, 0.2885, 0.1363

Previews

White Background



This preview shows how the Yxy color 47.8681, 0.3166, 0.4342 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 47.8681, 0.3166, 0.4342 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 47.8681, 0.3166, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 47.8681, 0.3166, 0.4342.

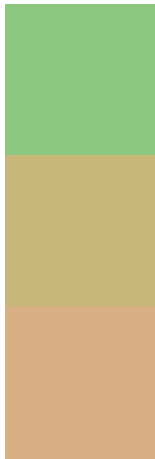


This preview shows how white text looks on a background with the Yxy color 47.8681, 0.3166, 0.4342.

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

47.8681, 0.3166, 0.4342

Protanopia

47.3896, 0.3780, 0.4077

Deuteranopia

47.0776, 0.3893, 0.3810



Tritanopia

47.9101, 0.2733, 0.3090

Trichromacy



Original Color

47.8681, 0.3166, 0.4342



Protanomaly

47.1724, 0.3537, 0.4181



Deuteranomaly

46.7115, 0.3610, 0.4000



Tritanomaly

47.5173, 0.2886, 0.3513

Monochromacy



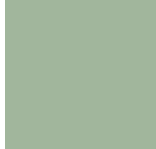
Original Color

47.8681, 0.3166, 0.4342



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

43.4333, 0.3152, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8681, 0.3166, 0.4342 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(139, 199, 127)` looks like.

```
.text, #text, p{  
    color:rgb(139, 199, 127)  
}
```

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(139, 199, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 199, 127) }
```

Border

The CSS property to change the border of an element to Yxy 47.8681, 0.3166, 0.4342 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(139, 199, 127) }
```

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

```
.border{ border-color:rgb(139, 199, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 199, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 199, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 199, 127);  
box-shadow:4px 4px 4px 4px rgb(139, 199,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8681, 0.3166, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 199, 127) }
```

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

```
.background{ background-color: rgb(139,  
199, 127) }
```

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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