

Converting Colors

$Yxy(46.4752, 0.3396, 0.4158)$

Have a look what the booklet for
Yxy(46.4752, 0.3396, 0.4158)
contains.

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Color

Yxy(46.4924, 0.3398, 0.4154)

Conversions

Conversions Part 1

Format	Color
Hex	A6BE80
RGB	166, 190, 128
RGB Percent	65%, 75%, 50%
CMY	0.3492, 0.2549, 0.4980
CMYK	0.13, 0.00, 0.33, 0.25
HSL	83°, 32%, 62%
HSV	83°, 33%, 75%
XYZ	38.0311, 46.4924, 27.3985
YIQ	175.7560, 5.5980, -24.3700

Conversions

Conversions Part 2

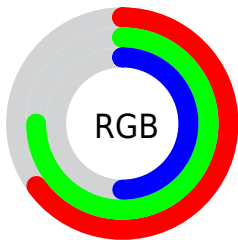
Format	Color
RYB	128, 190, 152
Decimal	10927744
CIELab	73.86, -18.90, 28.67
CIELCh	74, 34.342, 123.394
Yxy	46.4924, 0.3398, 0.4154
Android (android.graphics.Color)	4289117824 (0xFFA6BE80)
YUV	175.7560, -23.5437, -8.5560
Hunter-Lab	68.1853, -19.7641, 23.9056

Details

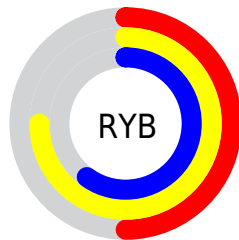
The Yxy color **46.4924, 0.3398, 0.4154** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.8445, 0.2777, 0.2394**, and the grayscale version is **43.4038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7773, 0.3361, 0.3989**, and **21.9521, 0.3452, 0.4424** is the 20% darker color. If you saturate the color by 10%, you get **45.2662, 0.3470, 0.4438**, and if you desaturate by 10%, it is **47.8621, 0.3318, 0.3874**.

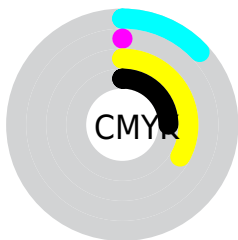
Distribution



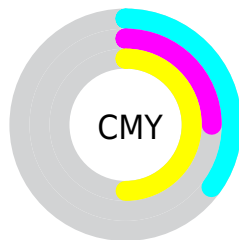
- Red (65%)
- Green (75%)
- Blue (50%)



- Red (50%)
- Yellow (75%)
- Blue (60%)



- Cyan (13%)
- Magenta (0%)
- Yellow (33%)
- Black (25%)




- Cyan (35%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4924, 0.3398, 0.4154 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 46.4924, 0.3398, 0.4154 by changing the saturation by 10% instead.


 46.4924, 0.3398,
0.4154

 46.4924, 0.3398,
0.4154

372.7847, 0.3273,
0.3708


 32.6346, 0.3425,
0.4268


 84.9554, 0.3356,
0.3989

 21.8466, 0.3456,
0.4417


 110.3294, 0.3339,
0.3928

 13.7443, 0.3492,
0.4615


 140.3109, 0.3324,
0.3877

 7.9430, 0.3529,
0.4894

175.2843, 0.3311,
0.3833

 4.0585, 0.3555,
0.5305

215.6340, 0.3300,
0.3796

 1.7063, 0.3712,
0.6288

261.7444, 0.3290,

 0.4278, 0.0000,

0.3763

1.0000

313.9998, 0.3281,
0.3734

■ 0.0000, 0.0000,
0.0000

■ 46.4924, 0.3398,
0.4154

■ 46.4924, 0.3398,
0.4154

■ 45.2662, 0.3470,
0.4438

■ 47.8621, 0.3318,
0.3874

■ 44.1713, 0.3529,
0.4714

■ 49.3746, 0.3234,
0.3605

■ 43.2033, 0.3571,
0.4972


■ 51.0373, 0.3149,
0.3353

■ 42.3548, 0.3591,
0.5197


■ 52.8551, 0.3066,
0.3120

■ 41.6178, 0.3587,
0.5378


■ 54.8327, 0.2986,
0.2907


 40.9824, 0.3560,
0.5509

 56.9745, 0.2911,
0.2715

 40.5659, 0.3529,
0.5580

 58.8902, 0.2879,
0.2598

 60.0490, 0.2932,
0.2609

 61.2590, 0.2987,
0.2620

Harmonies

Analogous

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



46.4924, 0.3819, 0.4082



46.4924, 0.3398, 0.4154



46.4924, 0.2924, 0.3941

Triad

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



46.4924, 0.3398, 0.4154



46.4924, 0.2266, 0.2692



46.4924, 0.3746, 0.3056

Complementary

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



46.4924, 0.3398, 0.4154



25.8445, 0.2777, 0.2394

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.



46.4924, 0.3282, 0.2746



46.4924, 0.3398, 0.4154



46.4924, 0.2445, 0.2532

Square

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



46.4924, 0.3398, 0.4154



46.4924, 0.2292, 0.3037



46.4924, 0.2805, 0.2558



46.4924, 0.4040, 0.3431

Rectangle

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



46.4924, 0.3398, 0.4154



46.4924, 0.2642, 0.3665



46.4924, 0.2805, 0.2558



46.4924, 0.3603, 0.2942

Sweetspot

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



46.4944, 0.3398, 0.4154



90.1775, 0.3213, 0.3542



34.8945, 0.3766, 0.3617



19.7108, 0.3225, 0.3578



97.7402, 0.3127, 0.3290



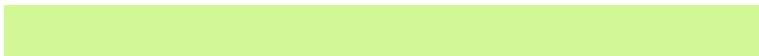
20.4902, 0.3127, 0.3290

Same Dimension

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



46.4944, 0.3398, 0.4154



82.6574, 0.3449, 0.4353



43.5633, 0.3139, 0.4228



10.9307, 0.3206, 0.3521



27.0165, 0.3538, 0.5573



1.0949, 0.3696, 0.5447

Inverse Universe

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



25.8445, 0.2777, 0.2394



39.5630, 0.2682, 0.2178



29.2027, 0.3089, 0.2472



9.4010, 0.3043, 0.3057



3.4747, 0.1837, 0.0786



0.1741, 0.2121, 0.0942

Previews

White Background



This preview shows how the Yxy color 46.4924, 0.3398, 0.4154 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 46.4924, 0.3398, 0.4154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

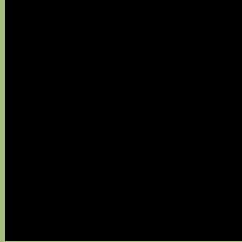
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

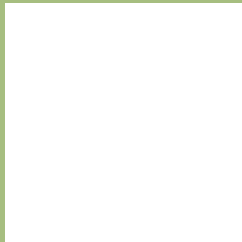
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4924, 0.3398, 0.4154

Background



This preview shows how black text looks on a background with the Yxy color 46.4924, 0.3398, 0.4154.



This preview shows how white text looks on a background with the Yxy color 46.4924, 0.3398, 0.4154.

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

46.4924, 0.3398, 0.4154

Protanopia

46.2387, 0.3736, 0.4024

Deuteranopia

46.3851, 0.3879, 0.3802



Tritanopia

46.1472, 0.2962, 0.3095

Trichromacy



Original Color

46.4924, 0.3398, 0.4154

Protanomaly

46.0759, 0.3613, 0.4075

Deuteranomaly

46.1515, 0.3691, 0.3922

Tritanomaly

45.9919, 0.3127, 0.3465

Monochromacy



Original Color

46.4924, 0.3398, 0.4154

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.3216, 0.3226, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4924, 0.3398, 0.4154 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(166, 190, 128)` looks like.

```
.text, #text, p{  
    color:rgb(166, 190, 128)  
}
```

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(166, 190, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 190, 128) }
```

Border

The CSS property to change the border of an element to Yxy 46.4924, 0.3398, 0.4154 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(166, 190, 128) }
```

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

```
.border{ border-color:rgb(166, 190, 128) }
```

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

Here you see how a box with a 4 pixel rgb(166, 190, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 190, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 190, 128);  
box-shadow:4px 4px 4px 4px rgb(166, 190,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4924, 0.3398, 0.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 190, 128) }
```

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

```
.background{ background-color: rgb(166,  
190, 128) }
```

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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