

Converting Colors

$Y_{xy}(42.4193, 0.3401, 0.4125)$

Have a look what the booklet for
Yxy(42.4193, 0.3401, 0.4125)
contains.

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Color

Yxy(42.4882, 0.3405, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	A1B67C
RGB	161, 182, 124
RGB Percent	63%, 71%, 49%
CMY	0.3686, 0.2863, 0.5137
CMYK	0.12, 0.00, 0.32, 0.29
HSL	82°, 28%, 60%
HSV	82°, 32%, 71%
XYZ	35.0636, 42.4882, 25.4250
YIQ	169.1090, 6.1020, -22.4900

Conversions

Conversions Part 2

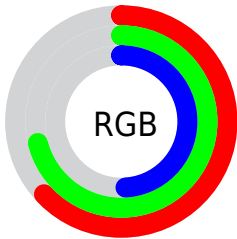
Format	Color
RYB	124, 182, 145
Decimal	10598012
CIELab	71.21, -17.29, 27.20
CIELCh	71, 32.228, 122.445
Yxy	42.4882, 0.3405, 0.4126
Android (android.graphics.Color)	4288788092 (0xFFA1B67C)
YUV	169.1090, -22.2387, -7.1116
Hunter-Lab	65.1830, -18.0505, 22.5017

Details

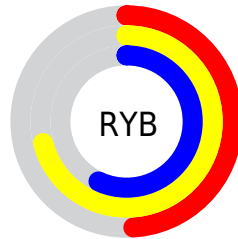
The Yxy color **42.4882, 0.3405, 0.4126** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.8175, 0.2773, 0.2416**, and the grayscale version is **39.8436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9223, 0.3357, 0.3965**, and **19.4461, 0.3478, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **41.4041, 0.3482, 0.4406**, and if you desaturate by 10%, it is **43.6971, 0.3320, 0.3850**.

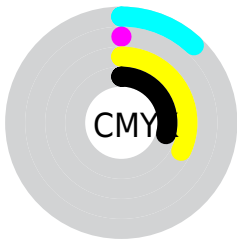
Distribution



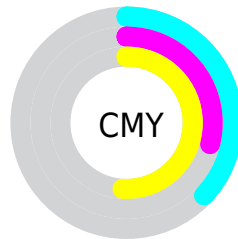
- Red (63%)
- Green (71%)
- Blue (49%)



- Red (49%)
- Yellow (71%)
- Blue (57%)



- Cyan (12%)
- Magenta (0%)
- Yellow (32%)
- Black (29%)





- Cyan (37%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4882, 0.3405, 0.4126 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 42.4882, 0.3405, 0.4126 by changing the saturation by 10% instead.

 42.4882, 0.3405,
0.4126


 42.4882, 0.3405,
0.4126


356.5027, 0.3274,
0.3689


 29.4838, 0.3434,
0.4240


 78.9380, 0.3360,
0.3963

 19.4471, 0.3469,
0.4389


 103.1521, 0.3342,
0.3903

 11.9938, 0.3509,
0.4592


 131.8715, 0.3327,
0.3853

 6.7394, 0.3553,
0.4879

165.4807, 0.3313,
0.3810

 3.2997, 0.3603,
0.5338

204.3640, 0.3302,
0.3774

 1.2901, 0.3698,
0.6302

248.9059, 0.3291,

 0.1335, 0.0000,

0.3742

1.0000

299.4907, 0.3282,
0.3714

0.0000, 0.0000,
0.0000

42.4882, 0.3405,
0.4126

42.4882, 0.3405,
0.4126

41.4041, 0.3482,
0.4406

43.6971, 0.3320,
0.3850

40.4341, 0.3547,
0.4679

45.0302, 0.3232,
0.3584

39.5742, 0.3594,
0.4933


46.4938, 0.3144,
0.3335


38.8182, 0.3621,
0.5156


48.0923, 0.3057,
0.3104

38.1590, 0.3623,
0.5336

49.8297, 0.2974,
0.2892


 37.5881, 0.3602,
0.5468

 51.7099, 0.2896,
0.2701

 37.1756, 0.3572,
0.5546

 53.7366, 0.2822,
0.2528

 54.9360, 0.2847,
0.2505

 55.9468, 0.2896,
0.2516

Harmonies

Analogous

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



42.4882, 0.3808, 0.4051



42.4882, 0.3405, 0.4126



42.4882, 0.2945, 0.3928

Triad

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



42.4882, 0.3405, 0.4126



42.4882, 0.2290, 0.2720



42.4882, 0.3713, 0.3053

Complementary

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



42.4882, 0.3405, 0.4126



23.8175, 0.2773, 0.2416

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.



42.4882, 0.3262, 0.2755



42.4882, 0.3405, 0.4126



42.4882, 0.2458, 0.2558

Square

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



42.4882, 0.3405, 0.4126



42.4882, 0.2322, 0.3060



42.4882, 0.2803, 0.2577



42.4882, 0.4005, 0.3417

Rectangle

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



42.4882, 0.3405, 0.4126



42.4882, 0.2670, 0.3666



42.4882, 0.2803, 0.2577



42.4882, 0.3573, 0.2943

Sweetspot

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



42.4901, 0.3405, 0.4126



82.0669, 0.3217, 0.3541



31.4416, 0.3753, 0.3581



18.0469, 0.3229, 0.3577



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.4901, 0.3405, 0.4126



75.6712, 0.3458, 0.4316



39.8766, 0.3155, 0.4195



10.3363, 0.3210, 0.3520



26.2898, 0.3579, 0.5541



0.9604, 0.3741, 0.5412

Inverse Universe

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



23.8175, 0.2773, 0.2416



36.6661, 0.2678, 0.2207



26.7150, 0.3070, 0.2489



8.8736, 0.3039, 0.3058



3.2361, 0.1799, 0.0765



0.1497, 0.2109, 0.0935

Previews

White Background



This preview shows how the Yxy color 42.4882, 0.3405, 0.4126 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 42.4882, 0.3405, 0.4126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

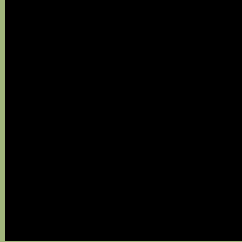
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4882, 0.3405, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 42.4882, 0.3405, 0.4126.



This preview shows how white text looks on a background with the Yxy color 42.4882, 0.3405, 0.4126.

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

42.4882, 0.3405, 0.4126

Protanopia

42.3439, 0.3715, 0.4000

Deuteranopia

42.2916, 0.3870, 0.3798



Tritanopia

42.4490, 0.2980, 0.3102

Trichromacy



Original Color

42.4882, 0.3405, 0.4126

Protanomaly

42.3144, 0.3597, 0.4049

Deuteranomaly

41.9586, 0.3700, 0.3905

Tritanomaly

42.3764, 0.3137, 0.3457

Monochromacy



Original Color

42.4882, 0.3405, 0.4126

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.6790, 0.3230, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4882, 0.3405, 0.4126 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(161, 182, 124)` looks like.

```
.text, #text, p{  
    color:rgb(161, 182, 124)  
}
```

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(161, 182, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 182, 124) }
```

Border

The CSS property to change the border of an element to Yxy 42.4882, 0.3405, 0.4126 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(161, 182, 124) }
```

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

```
.border{ border-color:rgb(161, 182, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 182, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 182, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 182, 124);  
box-shadow:4px 4px 4px 4px rgb(161, 182,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4882, 0.3405, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 182, 124) }
```

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

```
.background{ background-color: rgb(161,  
182, 124) }
```

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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