

Converting Colors

$Y_{xy}(42.2560, 0.3574, 0.4081)$

Have a look what the booklet for
Yxy(42.2560, 0.3574, 0.4081)
contains.

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Color

Yxy(42.3352, 0.3573, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	AFB279
RGB	175, 178, 121
RGB Percent	69%, 70%, 47%
CMY	0.3138, 0.3019, 0.5255
CMYK	0.02, 0.00, 0.32, 0.30
HSL	63°, 27%, 59%
HSV	63°, 32%, 70%
XYZ	37.0472, 42.3352, 24.3041
YIQ	170.6050, 16.5090, -18.3630

Conversions

Conversions Part 2

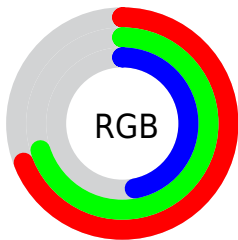
Format	Color
RYB	121, 178, 124
Decimal	11514489
CIELab	71.10, -10.20, 28.85
CIELCh	71, 30.603, 109.468
Yxy	42.3352, 0.3573, 0.4083
Android (android.graphics.Color)	4289704569 (0xFFAFB279)
YUV	170.6050, -24.4553, 3.8544
Hunter-Lab	65.0655, -12.2298, 23.3991

Details

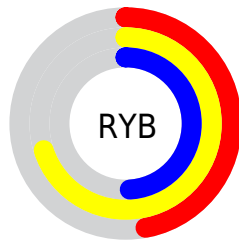
The Yxy color **42.3352, 0.3573, 0.4083** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.1734, 0.2595, 0.2370**, and the grayscale version is **40.6341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8906, 0.3492, 0.3935**, and **19.2727, 0.3691, 0.4304** is the 20% darker color. If you saturate the color by 10%, you get **41.8309, 0.3705, 0.4324**, and if you desaturate by 10%, it is **42.9246, 0.3434, 0.3833**.

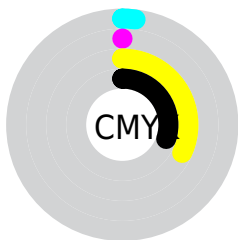
Distribution



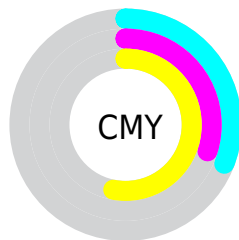
- Red (69%)
- Green (70%)
- Blue (47%)



- Red (47%)
- Yellow (70%)
- Blue (49%)



- Cyan (2%)
- Magenta (0%)
- Yellow (32%)
- Black (30%)





- Cyan (31%)
- Magenta (30%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3352, 0.3573, 0.4083 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 42.3352, 0.3573, 0.4083 by changing the saturation by 10% instead.


 42.3352, 0.3573,
0.4083


 42.3352, 0.3573,
0.4083


355.8706, 0.3355,
0.3675


 29.3639, 0.3625,
0.4187


 78.7067, 0.3495,
0.3933

 19.3562, 0.3688,
0.4322


 102.8756, 0.3466,
0.3877

 11.9280, 0.3768,
0.4501


 131.5459, 0.3440,
0.3830

 6.6946, 0.3866,
0.4748

165.1018, 0.3418,
0.3789

 3.2719, 0.4019,
0.5152

203.9279, 0.3399,
0.3755

 1.2753, 0.4195,
0.5805

248.4084, 0.3383,

 0.1219, 0.0000,

0.3725

1.0000

298.9279, 0.3368,
0.3698

0.0000, 0.0000,
0.0000

42.3352, 0.3573,
0.4083

42.3352, 0.3573,
0.4083

41.8309, 0.3705,
0.4324

42.9246, 0.3434,
0.3833

41.4017, 0.3825,
0.4546

43.5976, 0.3293,
0.3583

41.0445, 0.3927,
0.4741


44.3598, 0.3155,
0.3338


40.7539, 0.4007,
0.4899


45.2149, 0.3022,
0.3105


40.5237, 0.4062,
0.5015

46.1663, 0.2896,
0.2887


 40.3465, 0.4091,
0.5089

 47.2171, 0.2779,
0.2685

 40.2311, 0.4101,
0.5126

 48.3705, 0.2671,
0.2499

 49.0766, 0.2621,
0.2409

 49.1925, 0.2627,
0.2410

Harmonies

Analogous

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



42.3352, 0.3896, 0.3921



42.3352, 0.3573, 0.4083



42.3352, 0.3144, 0.4007

Triad

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



42.3352, 0.3573, 0.4083



42.3352, 0.2317, 0.2870



42.3352, 0.3510, 0.2930

Complementary

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



42.3352, 0.3573, 0.4083



21.1734, 0.2595, 0.2370

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.



42.3352, 0.3060, 0.2689



42.3352, 0.3573, 0.4083



42.3352, 0.2396, 0.2637

Square

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



42.3352, 0.3573, 0.4083



42.3352, 0.2433, 0.3253



42.3352, 0.2658, 0.2581



42.3352, 0.3868, 0.3259

Rectangle

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



42.3352, 0.3573, 0.4083



42.3352, 0.2858, 0.3816



42.3352, 0.2658, 0.2581



42.3352, 0.3363, 0.2837

Sweetspot

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



42.3371, 0.3573, 0.4083



79.2958, 0.3267, 0.3537



25.2218, 0.3834, 0.3334



17.5274, 0.3287, 0.3571



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.3371, 0.3573, 0.4083



76.1417, 0.3662, 0.4244



39.3958, 0.3307, 0.4157



9.8832, 0.3255, 0.3516



28.7908, 0.4102, 0.5125



0.9128, 0.4129, 0.5103

Inverse Universe

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



21.1734, 0.2595, 0.2370



32.0842, 0.2463, 0.2145



23.5963, 0.2884, 0.2440



8.2510, 0.2993, 0.3055



2.3523, 0.1520, 0.0611



0.0811, 0.1605, 0.0658

Previews

White Background



This preview shows how the Yxy color 42.3352, 0.3573, 0.4083 looks on a white background.

Color Contrast Check

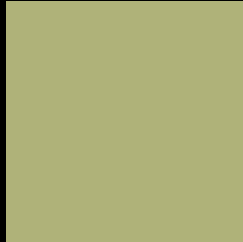
Large Text (above 18pt) WCAG AA × Fail

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 42.3352, 0.3573, 0.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

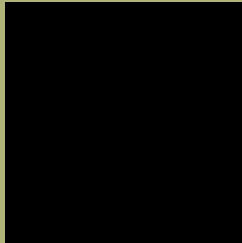
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3352, 0.3573, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 42.3352, 0.3573, 0.4083.



This preview shows how white text looks on a background with the Yxy color 42.3352, 0.3573, 0.4083.

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

42.3352, 0.3573, 0.4083

Protanopia

42.2954, 0.3732, 0.4026

Deuteranopia

42.3329, 0.3917, 0.3845



Tritanopia

42.2774, 0.3127, 0.3106

Trichromacy



Original Color

42.3352, 0.3573, 0.4083

Protanomaly

42.0833, 0.3670, 0.4038

Deuteranomaly

42.1331, 0.3788, 0.3933

Tritanomaly

42.1636, 0.3292, 0.3453

Monochromacy



Original Color

42.3352, 0.3573, 0.4083

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.3427, 0.3285, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3352, 0.3573, 0.4083 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(175, 178, 121)` looks like.

```
.text, #text, p{  
    color:rgb(175, 178, 121)  
}
```

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(175, 178, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 178, 121) }
```

Border

The CSS property to change the border of an element to Yxy 42.3352, 0.3573, 0.4083 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(175, 178, 121) }
```

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

```
.border{ border-color:rgb(175, 178, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 178, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 178, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 178, 121);  
box-shadow:4px 4px 4px 4px rgb(175, 178,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3352, 0.3573, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 178, 121) }
```

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

```
.background{ background-color: rgb(175,  
178, 121) }
```

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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