

Converting Colors

Yxy(41.9331, 0.3246, 0.3573)

Have a look what the booklet for
Yxy(41.9331, 0.3246, 0.3573)
contains.

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Color

Yxy(41.9970, 0.3239, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	AAB09C
RGB	170, 176, 156
RGB Percent	67%, 69%, 61%
CMY	0.3333, 0.3098, 0.3883
CMYK	0.03, 0.00, 0.11, 0.31
HSL	78°, 11%, 65%
HSV	78°, 11%, 69%
XYZ	38.1032, 41.9970, 37.5385
YIQ	171.9260, 2.8440, -7.4920

Conversions

Conversions Part 2

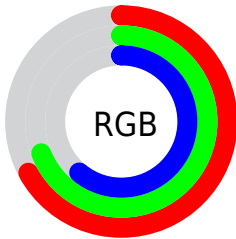
Format	Color
RYB	156, 176, 162
Decimal	11186332
CIELab	70.87, -5.76, 9.53
CIELCh	71, 11.139, 121.133
Yxy	41.9970, 0.3239, 0.3570
Android (android.graphics.Color)	4289376412 (0xFFAAB09C)
YUV	171.9260, -7.8515, -1.6891
Hunter-Lab	64.8051, -8.4571, 11.0197

Details

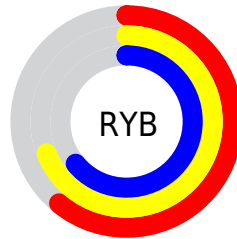
The Yxy color $41.9970, 0.3239, 0.3570$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $34.5813, 0.3007, 0.3004$, and the grayscale version is $41.2556, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.3739, 0.3219, 0.3526$, and $19.2868, 0.3270, 0.3660$ is the 20% darker color. If you saturate the color by 10%, you get $40.8698, 0.3338, 0.3831$, and if you desaturate by 10%, it is $43.2378, 0.3141, 0.3323$.

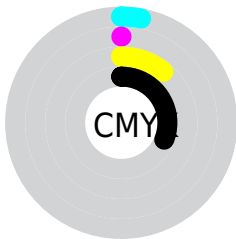
Distribution



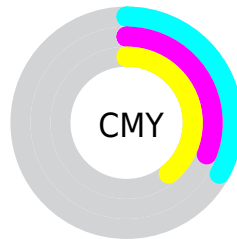
- Red (67%)
- Green (69%)
- Blue (61%)



- Red (61%)
- Yellow (69%)
- Blue (64%)



- Cyan (3%)
- Magenta (0%)
- Yellow (11%)
- Black (31%)




- Cyan (33%)
- Magenta (31%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9970, 0.3239, 0.3570 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 41.9970, 0.3239, 0.3570 by changing the saturation by 10% instead.


 41.9970, 0.3239,
0.3570


 41.9970, 0.3239,
0.3570

354.4705, 0.3183,
0.3426

 29.0989, 0.3253,
0.3607


 78.1951, 0.3219,
0.3517

 19.1557, 0.3271,
0.3656


 102.2639, 0.3211,
0.3497

 11.7828, 0.3295,
0.3723

130.8251, 0.3205,
0.3480

 6.5960, 0.3328,
0.3819

164.2631, 0.3199,
0.3466

 3.2107, 0.3377,
0.3969

202.9622, 0.3194,
0.3454

 1.2427, 0.3495,
0.4286

247.3069, 0.3190,

 0.0962, 0.0000,

0.3443

1.0000

297.6815, 0.3186,
0.3434

0.0000, 0.0000,
0.0000

41.9970, 0.3239,
0.3570

41.9970, 0.3239,
0.3570

40.8698, 0.3338,
0.3831

43.2378, 0.3141,
0.3323

39.8467, 0.3433,
0.4101

44.5905, 0.3045,
0.3093

38.9253, 0.3522,
0.4373

46.0603, 0.2953,
0.2881

38.1010, 0.3598,
0.4636

47.6508, 0.2867,
0.2689

37.3690, 0.3658,
0.4880

49.3651, 0.2787,
0.2515

■ 36.7235, 0.3696,
0.5092

■ 50.7754, 0.2754,
0.2418

■ 36.1583, 0.3710,
0.5263

■ 51.5210, 0.2793,
0.2428

■ 35.6661, 0.3700,
0.5387

■ 52.2920, 0.2832,
0.2437

■ 35.2873, 0.3676,
0.5463

■ 53.0885, 0.2872,
0.2447

Harmonies

Analogous

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



41.9970, 0.3374, 0.3556



41.9970, 0.3239, 0.3570



41.9970, 0.3077, 0.3504

Triad

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



41.9970, 0.3239, 0.3570



41.9970, 0.2821, 0.3100



41.9970, 0.3324, 0.3203

Complementary

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



41.9970, 0.3239, 0.3570



34.5813, 0.3007, 0.3004

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.



41.9970, 0.3172, 0.3089



41.9970, 0.3239, 0.3570



41.9970, 0.2883, 0.3028

Square

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



41.9970, 0.3239, 0.3570



41.9970, 0.2839, 0.3227



41.9970, 0.3010, 0.3025



41.9970, 0.3425, 0.3341

Rectangle

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



41.9970, 0.3239, 0.3570



41.9970, 0.2975, 0.3424



41.9970, 0.3010, 0.3025



41.9970, 0.3277, 0.3161

Sweetspot

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



41.9988, 0.3239, 0.3570



78.0251, 0.3157, 0.3363



37.3474, 0.3317, 0.3370



16.8695, 0.3165, 0.3382



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



41.9988, 0.3239, 0.3570



75.5614, 0.3267, 0.3644



40.9578, 0.3152, 0.3577



9.7765, 0.3219, 0.3518



25.9211, 0.3681, 0.5459



0.8442, 0.3830, 0.5341

Inverse Universe

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



34.5813, 0.3007, 0.3004



59.0493, 0.2973, 0.2927



35.6358, 0.3098, 0.3012



8.3493, 0.3030, 0.3058



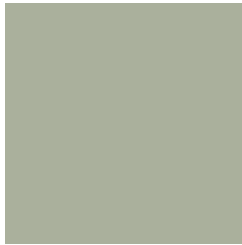
2.8760, 0.1714, 0.0718



0.1216, 0.2040, 0.0897

Previews

White Background



This preview shows how the Yxy color 41.9970, 0.3239, 0.3570 looks on a white background.

Color Contrast Check

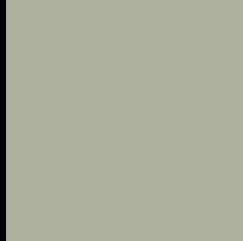
Large Text (above 18pt) WCAG AA × Fail

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 41.9970, 0.3239, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

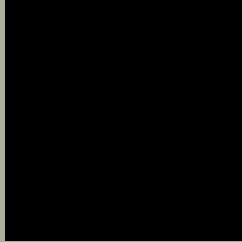
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

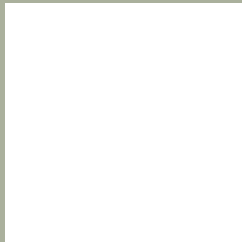
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9970, 0.3239, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 41.9970, 0.3239, 0.3570.



This preview shows how white text looks on a background with the Yxy color 41.9970, 0.3239, 0.3570.

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

41.9970, 0.3239, 0.3570

Protanopia

42.0440, 0.3362, 0.3549

Deuteranopia

41.8418, 0.3483, 0.3408



Tritanopia

42.0065, 0.3039, 0.3116

Trichromacy



Original Color

41.9970, 0.3239, 0.3570

Protanomaly

41.9858, 0.3315, 0.3552

Deuteranomaly

41.7486, 0.3399, 0.3465

Tritanomaly

41.8274, 0.3119, 0.3276

Monochromacy



Original Color

41.9970, 0.3239, 0.3570

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.2982, 0.3167, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9970, 0.3239, 0.3570 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(170, 176, 156)` looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 156)  
}
```

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(170, 176, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 156) }
```

Border

The CSS property to change the border of an element to Yxy 41.9970, 0.3239, 0.3570 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(170, 176, 156) }
```

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

```
.border{ border-color:rgb(170, 176, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 176, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 176, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 176, 156);  
box-shadow:4px 4px 4px 4px rgb(170, 176,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9970, 0.3239, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 156) }
```

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

```
.background{ background-color: rgb(170,  
176, 156) }
```

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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