

Converting Colors

$Y_{xy}(42.0080, 0.3123, 0.3368)$

Have a look what the booklet for
Yxy(42.0080, 0.3123, 0.3368)
contains.

Yxy(41.9595, 0.3123, 0.3373)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9595, 0.3123, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	A9AFA9
RGB	169, 175, 169
RGB Percent	66%, 69%, 66%
CMY	0.3374, 0.3137, 0.3372
CMYK	0.03, 0.00, 0.03, 0.31
HSL	120°, 4%, 67%
HSV	120°, 3%, 69%
XYZ	38.8495, 41.9595, 43.5891
YIQ	172.5220, -1.6500, -3.1380

Conversions

Conversions Part 2

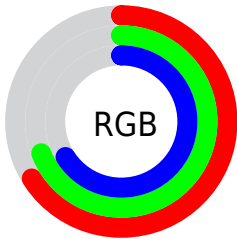
Format	Color
RYB	169, 175, 175
Decimal	11120553
CIELab	70.84, -3.26, 2.33
CIELCh	71, 4.002, 144.442
Yxy	41.9595, 0.3123, 0.3373
Android (android.graphics.Color)	4289310633 (0xFFA9AFA9)
YUV	172.5220, -1.7363, -3.0888
Hunter-Lab	64.7762, -6.3028, 5.4459

Details

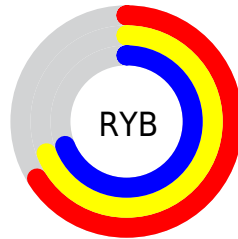
The Yxy color **41.9595, 0.3123, 0.3373** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.5761, 0.3131, 0.3208**, and the grayscale version is **41.5420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3809, 0.3124, 0.3364**, and **19.2322, 0.3122, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **39.5427, 0.3110, 0.3636**, and if you desaturate by 10%, it is **44.7261, 0.3135, 0.3143**.

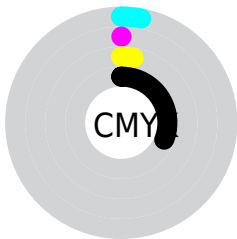
Distribution



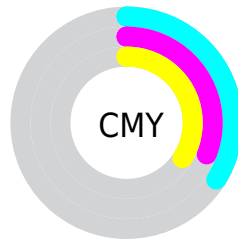
- Red (66%)
- Green (69%)
- Blue (66%)



- Red (66%)
- Yellow (69%)
- Blue (69%)



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





- Cyan (34%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9595, 0.3123, 0.3373 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 41.9595, 0.3123, 0.3373 by changing the saturation by 10% instead.


 41.9595, 0.3123,
0.3373


 41.9595, 0.3123,
0.3373

354.3150, 0.3125,
0.3331

 29.0696, 0.3122,
0.3384


 78.1383, 0.3124,
0.3357

 19.1335, 0.3122,
0.3398


 102.1960, 0.3124,
0.3352

 11.7668, 0.3120,
0.3417


130.7451, 0.3124,
0.3347

 6.5851, 0.3119,
0.3445

164.1700, 0.3125,
0.3343

 3.2040, 0.3116,
0.3488

202.8550, 0.3125,
0.3339

 1.2391, 0.3110,
0.3565

247.1846, 0.3125,


 0.0933, 0.0899,


0.3336

0.9101


297.5431, 0.3125,
0.3333

 0.0000, 0.0000,
0.0000

 41.9595, 0.3123,
0.3373


 41.9595, 0.3123,
0.3373


 39.5427, 0.3110,
0.3636


 44.7261, 0.3135,
0.3143


 37.4566, 0.3095,
0.3933


 47.8500, 0.3145,
0.2944

 35.6885, 0.3079,
0.4260

 51.3452, 0.3153,
0.2773

 34.2229, 0.3062,
0.4608

 55.2233, 0.3161,
0.2627

 33.0427, 0.3046,
0.4961

 59.1444, 0.3164,
0.2508

■ 32.1294, 0.3030,
0.5295

■ 31.4622, 0.3017,
0.5585

■ 31.0173, 0.3007,
0.5805

■ 30.7660, 0.3002,
0.5941

Harmonies

Analogous

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



41.9595, 0.3180, 0.3391



41.9595, 0.3123, 0.3373



41.9595, 0.3067, 0.3332

Triad

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



41.9595, 0.3123, 0.3373



41.9595, 0.3031, 0.3199



41.9595, 0.3228, 0.3299

Complementary

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



41.9595, 0.3123, 0.3373



40.5761, 0.3131, 0.3208

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.



41.9595, 0.3187, 0.3248



41.9595, 0.3123, 0.3373



41.9595, 0.3074, 0.3191

Square

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



41.9595, 0.3123, 0.3373



41.9595, 0.3015, 0.3232



41.9595, 0.3131, 0.3209



41.9595, 0.3241, 0.3347

Rectangle

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



41.9595, 0.3123, 0.3373



41.9595, 0.3038, 0.3298



41.9595, 0.3131, 0.3209



41.9595, 0.3217, 0.3281

Sweetspot

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



41.9613, 0.3123, 0.3373



76.2865, 0.3126, 0.3314



42.6433, 0.3177, 0.3372



16.9613, 0.3126, 0.3313



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.



41.9613, 0.3123, 0.3373



74.8542, 0.3122, 0.3388



42.0748, 0.3099, 0.3331



9.1933, 0.3122, 0.3403



21.9582, 0.2999, 0.5996



0.6111, 0.2994, 0.5978

Inverse Universe

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



40.5761, 0.3131, 0.3208



71.9400, 0.3132, 0.3194



40.4599, 0.3157, 0.3249



8.7845, 0.3133, 0.3180



8.7191, 0.3221, 0.1548



0.2428, 0.3218, 0.1546

Previews

White Background



This preview shows how the Yxy color 41.9595, 0.3123, 0.3373 looks on a white background.

Color Contrast Check

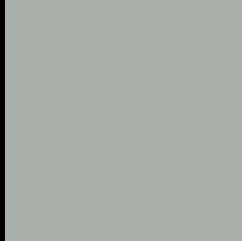
Large Text (above 18pt) WCAG AA × Fail

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 41.9595, 0.3123, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

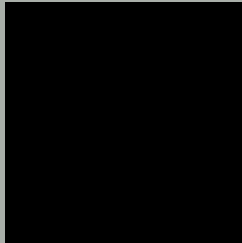
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

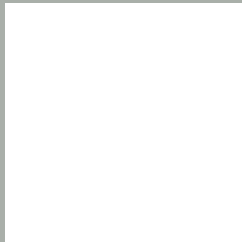
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9595, 0.3123, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 41.9595, 0.3123, 0.3373.



This preview shows how white text looks on a background with the Yxy color 41.9595, 0.3123, 0.3373.

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

41.9595, 0.3123, 0.3373

Protanopia

41.7972, 0.3215, 0.3344

Deuteranopia

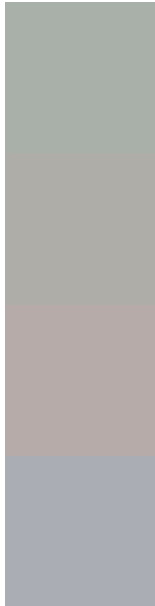
41.9839, 0.3324, 0.3264



Tritanopia

41.8209, 0.3013, 0.3102

Trichromacy



Original Color

41.9595, 0.3123, 0.3373

Protanomaly

41.8283, 0.3187, 0.3358

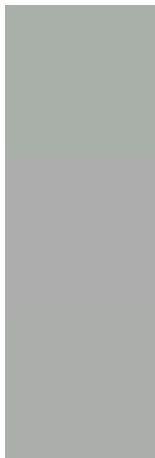
Deuteranomaly

42.0954, 0.3245, 0.3304

Tritanomaly

41.8404, 0.3052, 0.3195

Monochromacy



Original Color

41.9595, 0.3123, 0.3373

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.0213, 0.3126, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9595, 0.3123, 0.3373 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(169, 175, 169)` looks like.

```
.text, #text, p{  
    color:rgb(169, 175, 169)  
}
```

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(169, 175, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 175, 169) }
```

Border

The CSS property to change the border of an element to Yxy 41.9595, 0.3123, 0.3373 is called "border". The border property can be set on classes, ids or directly on the HTML element.

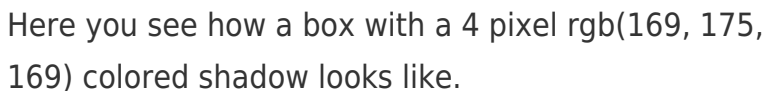
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 175, 169) }
```

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

```
.border{ border-color:rgb(169, 175, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 175, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 175, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 175, 169); box-shadow:4px 4px 4px 4px rgb(169, 175, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9595, 0.3123, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 175, 169) }
```

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

```
.background{ background-color: rgb(169,  
175, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor