

Converting Colors

$Y_{xy}(42.0750, 0.3112, 0.3364)$

Have a look what the booklet for
Yxy(42.0750, 0.3112, 0.3364)
contains.

Yxy(41.9972, 0.3115, 0.3359)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9972, 0.3115, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	A9AFAA
RGB	169, 175, 170
RGB Percent	66%, 69%, 67%
CMY	0.3373, 0.3137, 0.3333
CMYK	0.03, 0.00, 0.03, 0.31
HSL	130°, 4%, 67%
HSV	130°, 3%, 69%
XYZ	38.9465, 41.9972, 44.0852
YIQ	172.6360, -1.9710, -2.8270

Conversions

Conversions Part 2

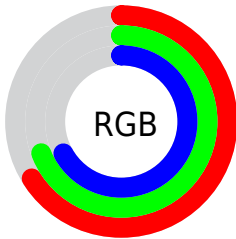
Format	Color
RYB	169, 174, 175
Decimal	11120554
CIELab	70.87, -3.06, 1.82
CIELCh	71, 3.558, 149.320
Yxy	41.9972, 0.3115, 0.3359
Android (android.graphics.Color)	4289310634 (0xFFA9AFAA)
YUV	172.6360, -1.2995, -3.1888
Hunter-Lab	64.8052, -6.1347, 5.0304

Details

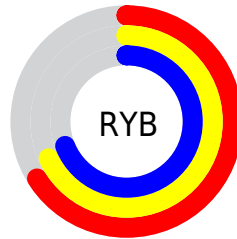
The Yxy color **41.9972, 0.3115, 0.3359** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.5432, 0.3140, 0.3222**, and the grayscale version is **41.6020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4354, 0.3117, 0.3354**, and **19.2558, 0.3111, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **39.6706, 0.3079, 0.3578**, and if you desaturate by 10%, it is **44.6475, 0.3150, 0.3167**.

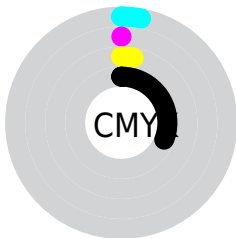
Distribution



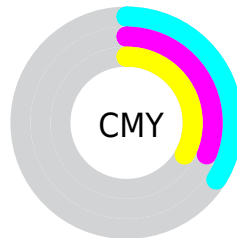
- Red (66%)
- Green (69%)
- Blue (67%)



- Red (66%)
- Yellow (68%)
- Blue (69%)



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



- Cyan (34%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9972, 0.3115, 0.3359 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 41.9972, 0.3115, 0.3359 by changing the saturation by 10% instead.


 41.9972, 0.3115,
0.3359

 41.9972, 0.3115,
0.3359


354.4713, 0.3121,
0.3324

 29.0991, 0.3113,
0.3368


 78.1954, 0.3117,
0.3346

 19.1558, 0.3111,
0.3380


 102.2643, 0.3118,
0.3341

 11.7829, 0.3108,
0.3396


130.8255, 0.3119,
0.3337

 6.5960, 0.3104,
0.3419

164.2636, 0.3120,
0.3334

 3.2108, 0.3097,
0.3454

202.9628, 0.3120,
0.3331

 1.2427, 0.3085,
0.3518

247.3075, 0.3121,

 0.0962, 0.1482,

0.3328

0.8518

297.6822, 0.3121,
0.3326

0.0000, 0.0000,
0.0000

41.9972, 0.3115,
0.3359

41.9972, 0.3115,
0.3359

39.6706, 0.3079,
0.3578

44.6475, 0.3150,
0.3167

37.6500, 0.3043,
0.3824

47.6276, 0.3183,
0.2999

35.9243, 0.3008,
0.4096

50.9502, 0.3215,
0.2854

34.4796, 0.2977,
0.4389

54.6259, 0.3244,
0.2728

33.3009, 0.2952,
0.4695

58.3800, 0.3259,
0.2616

■ 32.3716, 0.2934,
0.5001

■ 59.1425, 0.3164,
0.2508

■ 31.6736, 0.2927,
0.5290

■ 31.1858, 0.2931,
0.5543

■ 30.8836, 0.2946,
0.5743

Harmonies

Analogous

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



41.9972, 0.3167, 0.3379



41.9972, 0.3115, 0.3359



41.9972, 0.3067, 0.3321

Triad

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



41.9972, 0.3115, 0.3359



41.9972, 0.3047, 0.3207



41.9972, 0.3220, 0.3305

Complementary

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



41.9972, 0.3115, 0.3359



40.5432, 0.3140, 0.3222

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.



41.9972, 0.3188, 0.3260



41.9972, 0.3115, 0.3359



41.9972, 0.3087, 0.3203

Square

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



41.9972, 0.3115, 0.3359



41.9972, 0.3028, 0.3232



41.9972, 0.3139, 0.3223



41.9972, 0.3228, 0.3347

Rectangle

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



41.9972, 0.3115, 0.3359



41.9972, 0.3043, 0.3290



41.9972, 0.3139, 0.3223



41.9972, 0.3212, 0.3290

Sweetspot

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



41.9990, 0.3115, 0.3359



76.3067, 0.3124, 0.3310



42.5259, 0.3168, 0.3372



16.9656, 0.3124, 0.3309



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.



41.9990, 0.3115, 0.3359



74.9321, 0.3113, 0.3372



42.1138, 0.3091, 0.3317



9.2042, 0.3111, 0.3384



22.0282, 0.2953, 0.5829



0.6193, 0.2817, 0.5343

Inverse Universe

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



40.5432, 0.3140, 0.3222



71.8585, 0.3142, 0.3209



40.4276, 0.3165, 0.3263



8.7730, 0.3144, 0.3198



8.0106, 0.3678, 0.1800



0.2289, 0.3514, 0.1710

Previews

White Background



This preview shows how the Yxy color 41.9972, 0.3115, 0.3359 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 41.9972, 0.3115, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

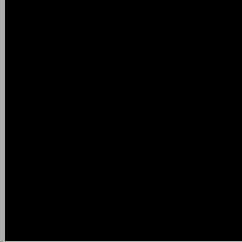
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

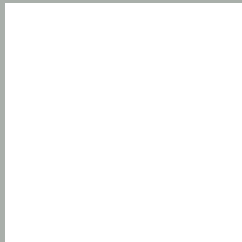
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9972, 0.3115, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 41.9972, 0.3115, 0.3359.



This preview shows how white text looks on a background with the Yxy color 41.9972, 0.3115, 0.3359.

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

41.9972, 0.3115, 0.3359

Protanopia

42.0988, 0.3197, 0.3344

Deuteranopia

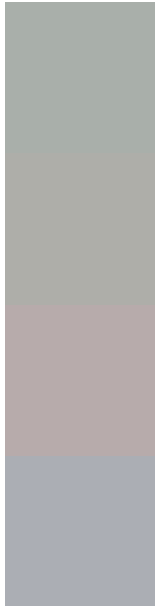
42.0219, 0.3315, 0.3251



Tritanopia

42.2030, 0.3013, 0.3115

Trichromacy



Original Color

41.9972, 0.3115, 0.3359

Protanomaly

42.1353, 0.3169, 0.3358

Deuteranomaly

42.1334, 0.3236, 0.3290

Tritanomaly

42.2253, 0.3052, 0.3208

Monochromacy



Original Color

41.9972, 0.3115, 0.3359

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 41.9972, 0.3115, 0.3359 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(169, 175, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 175, 170) }
```

Border

The CSS property to change the border of an element to Yxy 41.9972, 0.3115, 0.3359 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, 170) }
```

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

```
.border{ border-color:rgb(169, 175, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 175, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 175, 170);  
box-shadow:4px 4px 4px 4px rgb(169, 175,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9972, 0.3115, 0.3359 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, 170) }
```

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

```
.background{ background-color: rgb(169,  
175, 170) }
```

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