

Converting Colors

$Y_{xy}(40.0911, 0.3117, 0.3234)$

Have a look what the booklet for
Yxy(40.0911, 0.3117, 0.3234)
contains.

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Color

Yxy(40.1637, 0.3121, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	ACA9AD
RGB	172, 169, 173
RGB Percent	67%, 66%, 68%
CMY	0.3254, 0.3373, 0.3216
CMYK	0.01, 0.02, 0.00, 0.32
HSL	286°, 2%, 67%
HSV	286°, 2%, 68%
XYZ	38.7483, 40.1637, 45.2416
YIQ	170.3530, 0.5040, 1.8800

Conversions

Conversions Part 2

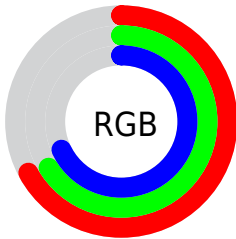
Format	Color
RYB	172, 169, 173
Decimal	11315629
CIELab	69.59, 1.84, -1.68
CIELCh	70, 2.491, 317.608
Yxy	40.1637, 0.3121, 0.3235
Android (android.graphics.Color)	4289505709 (0xFFACA9AD)
YUV	170.3530, 1.3050, 1.4444
Hunter-Lab	63.3748, -1.7683, 2.0369

Details

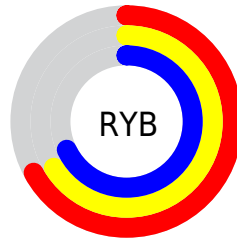
The Yxy color **40.1637, 0.3121, 0.3235** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.2907, 0.3133, 0.3345**, and the grayscale version is **40.3795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2436, 0.3122, 0.3248**, and **18.0961, 0.3118, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **33.6850, 0.3091, 0.2988**, and if you desaturate by 10%, it is **47.5123, 0.3146, 0.3467**.

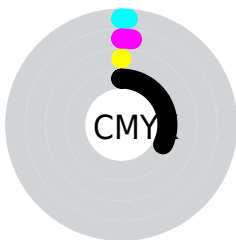
Distribution



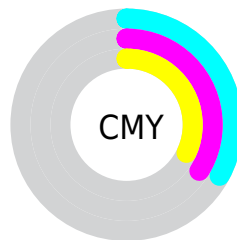
- Red (67%)
- Green (66%)
- Blue (68%)



- Red (67%)
- Yellow (66%)
- Blue (68%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (32%)





- Cyan (33%)
- Magenta (34%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1637, 0.3121, 0.3235 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 40.1637, 0.3121, 0.3235 by changing the saturation by 10% instead.


 40.1637, 0.3121,
0.3235


 40.1637, 0.3121,
0.3235


346.8131, 0.3124,
0.3263

 27.6662, 0.3120,
0.3228


 75.4127, 0.3122,
0.3245

 18.0742, 0.3119,
0.3218


 98.9330, 0.3123,
0.3249

 11.0033, 0.3117,
0.3206


126.8964, 0.3123,
0.3253

 6.0690, 0.3115,
0.3187

159.6873, 0.3123,
0.3255

 2.8871, 0.3112,
0.3159

197.6899, 0.3124,
0.3258

 1.0731, 0.3105,
0.3109

241.2889, 0.3124,

 0.0000, 0.0195,

0.3260

0.0000

290.8684, 0.3124,
0.3262

0.0000, 0.0000,
0.0000

40.1637, 0.3121,
0.3235

40.1637, 0.3121,
0.3235

33.6850, 0.3091,
0.2988

47.5123, 0.3146,
0.3467

28.0376, 0.3055,
0.2730

55.7571, 0.3165,
0.3681

23.1878, 0.3012,
0.2466

64.9296, 0.3181,
0.3878

19.0975, 0.2963,
0.2204

75.0585, 0.3193,
0.4056

15.7255, 0.2908,
0.1955

85.8561, 0.3202,
0.4213

■ 13.0267, 0.2848,
0.1727

■ 86.4109, 0.3229,
0.4206

■ 10.9506, 0.2785,
0.1533

■ 86.9812, 0.3255,
0.4198

■ 9.4396, 0.2721,
0.1379

■ 87.5672, 0.3282,
0.4191

■ 8.4251, 0.2657,
0.1271

■ 88.1690, 0.3309,
0.4183

Harmonies

Analogous

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



40.1637, 0.3086, 0.3227



40.1637, 0.3121, 0.3235



40.1637, 0.3158, 0.3257

Triad

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



40.1637, 0.3121, 0.3235



40.1637, 0.3192, 0.3344



40.1637, 0.3069, 0.3292

Complementary

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



40.1637, 0.3121, 0.3235



41.2907, 0.3133, 0.3345

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.



40.1637, 0.3097, 0.3324



40.1637, 0.3121, 0.3235



40.1637, 0.3168, 0.3354

Square

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



40.1637, 0.3121, 0.3235



40.1637, 0.3199, 0.3320



40.1637, 0.3133, 0.3346



40.1637, 0.3056, 0.3260

Rectangle

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



40.1637, 0.3121, 0.3235



40.1637, 0.3178, 0.3277



40.1637, 0.3133, 0.3346



40.1637, 0.3077, 0.3303

Sweetspot

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



40.1654, 0.3121, 0.3235



73.5539, 0.3124, 0.3266



40.1991, 0.3093, 0.3248



16.0004, 0.3125, 0.3267



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



40.1654, 0.3121, 0.3235



71.0272, 0.3119, 0.3217



40.2362, 0.3138, 0.3249



8.8773, 0.3117, 0.3201



5.8086, 0.2616, 0.1215



0.1848, 0.2806, 0.1319

Inverse Universe

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



40.1586, 0.3155, 0.3277



71.0118, 0.3165, 0.3273



41.2215, 0.3116, 0.3331



8.8750, 0.3173, 0.3269



6.6556, 0.5921, 0.3035



0.1937, 0.5086, 0.2575

Previews

White Background



This preview shows how the Yxy color 40.1637, 0.3121, 0.3235 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 40.1637, 0.3121, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

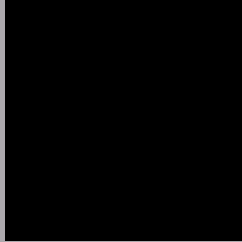
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

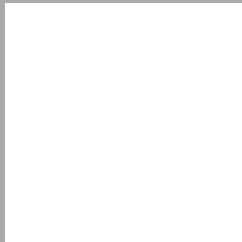
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1637, 0.3121, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 40.1637, 0.3121, 0.3235.



This preview shows how white text looks on a background with the Yxy color 40.1637, 0.3121, 0.3235.

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

40.1637, 0.3121, 0.3235

Protanopia

40.1637, 0.3121, 0.3235

Deuteranopia

40.1566, 0.3226, 0.3170



Tritanopia

40.2257, 0.3063, 0.3114

Trichromacy



Original Color

40.1637, 0.3121, 0.3235

Protanomaly

40.1637, 0.3121, 0.3235

Deuteranomaly

40.0317, 0.3188, 0.3182

Tritanomaly

40.1039, 0.3088, 0.3154

Monochromacy



Original Color

40.1637, 0.3121, 0.3235

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.3477, 0.3128, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1637, 0.3121, 0.3235 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(172, 169, 173)` looks like.

```
.text, #text, p{  
    color:rgb(172, 169, 173)  
}
```

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(172, 169, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 169, 173) }
```

Border

The CSS property to change the border of an element to Yxy 40.1637, 0.3121, 0.3235 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(172, 169, 173) }
```

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

```
.border{ border-color:rgb(172, 169, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 169, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 169, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 169, 173); box-shadow:4px 4px 4px 4px rgb(172, 169, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1637, 0.3121, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 169, 173) }
```

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

```
.background{ background-color: rgb(172,  
169, 173) }
```

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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