

Converting Colors

$Y_{xy}(41.3217, 0.3077, 0.3240)$

Have a look what the booklet for
Yxy(41.3217, 0.3077, 0.3240)
contains.

Yxy(41.1857, 0.3076, 0.3235)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.1857, 0.3076, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	AAACB0
RGB	170, 172, 176
RGB Percent	67%, 67%, 69%
CMY	0.3335, 0.3254, 0.3098
CMYK	0.03, 0.02, 0.00, 0.31
HSL	220°, 4%, 68%
HSV	220°, 3%, 69%
XYZ	39.1614, 41.1857, 46.9657
YIQ	171.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

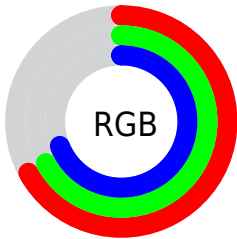
Format	Color
RYB	170, 172, 176
Decimal	11185328
CIELab	70.31, 0.05, -2.31
CIELCh	70, 2.311, 271.229
Yxy	41.1857, 0.3076, 0.3235
Android (android.graphics.Color)	4289375408 (0xFFAAACB0)
YUV	171.8580, 2.0420, -1.6295
Hunter-Lab	64.1761, -3.3842, 1.5333

Details

The Yxy color **41.1857, 0.3076, 0.3235** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.3899, 0.3179, 0.3344**, and the grayscale version is **41.1685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7719, 0.3082, 0.3237**, and **18.7397, 0.3057, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **35.1187, 0.2920, 0.3062**, and if you desaturate by 10%, it is **47.9066, 0.3221, 0.3389**.

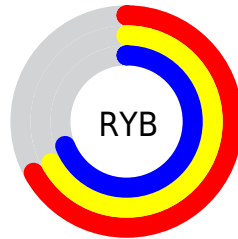
Distribution



Red (67%)

Green (67%)

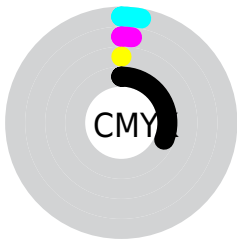
Blue (69%)



Red (67%)

Yellow (67%)

Blue (69%)

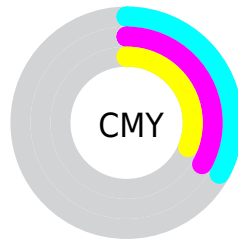


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1857, 0.3076, 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 41.1857, 0.3076, 0.3235 by changing the saturation by 10% instead.

■ 41.1857, 0.3076,
0.3235

■ 41.1857, 0.3076,
0.3235

351.0961, 0.3102,
0.3263

■ 28.4642, 0.3069,
0.3228

■ 76.9657, 0.3086,
0.3245

■ 18.6759, 0.3061,
0.3218

100.7930, 0.3089,
0.3249

■ 11.4363, 0.3049,
0.3206

129.0911, 0.3092,
0.3252

■ 6.3611, 0.3032,
0.3187

162.2443, 0.3095,
0.3255

■ 3.0659, 0.3006,
0.3159

200.6370, 0.3097,
0.3258

■ 1.1662, 0.2960,
0.3110

244.6536, 0.3099,

■ 0.0339, 0.1257,

0.3260

0.1275

294.6785, 0.3101,
0.3262

0.0000, 0.0000,
0.0000

41.1857, 0.3076,
0.3235

41.1857, 0.3076,
0.3235

35.1187, 0.2920,
0.3062

47.9066, 0.3221,
0.3389

29.6801, 0.2754,
0.2868

55.2955, 0.3355,
0.3524

24.8503, 0.2581,
0.2655

63.3727, 0.3477,
0.3642

20.6068, 0.2404,
0.2424

72.1557, 0.3588,
0.3746

16.9253, 0.2229,
0.2179

81.0942, 0.3667,
0.3840

■ 13.7798, 0.2063,
0.1928

■ 87.7949, 0.3633,
0.3949

■ 11.1422, 0.1913,
0.1678

■ 94.9362, 0.3601,
0.4053

■ 8.9809, 0.1787,
0.1440

■ 95.9151, 0.3597,
0.4066

■ 7.2599, 0.1690,
0.1226

Harmonies

Analogous

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



41.1857, 0.3062, 0.3251



41.1857, 0.3076, 0.3235



41.1857, 0.3103, 0.3234

Triad

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



41.1857, 0.3076, 0.3235



41.1857, 0.3189, 0.3302



41.1857, 0.3117, 0.3334

Complementary

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



41.1857, 0.3076, 0.3235



42.3899, 0.3179, 0.3344

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.



41.1857, 0.3151, 0.3347



41.1857, 0.3076, 0.3235



41.1857, 0.3192, 0.3329

Square

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



41.1857, 0.3076, 0.3235



41.1857, 0.3168, 0.3272



41.1857, 0.3179, 0.3346



41.1857, 0.3086, 0.3308

Rectangle

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



41.1857, 0.3076, 0.3235



41.1857, 0.3126, 0.3241



41.1857, 0.3179, 0.3346



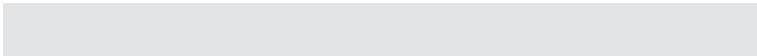
41.1857, 0.3129, 0.3340

Sweetspot

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



41.1875, 0.3076, 0.3235



77.5268, 0.3112, 0.3274



42.6494, 0.3091, 0.3319



16.8156, 0.3113, 0.3275



89.0005, 0.3127, 0.3290



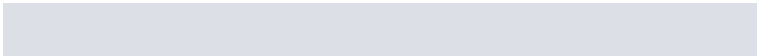
17.0645, 0.3127, 0.3290

Same Dimension

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



41.1875, 0.3076, 0.3235



73.9571, 0.3066, 0.3225



40.5144, 0.3085, 0.3207



9.3504, 0.3057, 0.3215



4.7435, 0.1644, 0.1119



0.2600, 0.1809, 0.1712

Inverse Universe

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



40.9465, 0.3165, 0.3262



73.4460, 0.3172, 0.3257



43.0826, 0.3169, 0.3372



9.2766, 0.3179, 0.3252



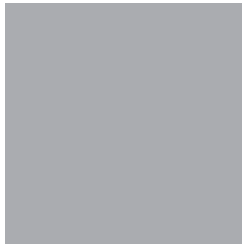
7.0190, 0.5583, 0.2849



0.2320, 0.4792, 0.2413

Previews

White Background



This preview shows how the Yxy color 41.1857, 0.3076, 0.3235 looks on a white background.

Color Contrast Check

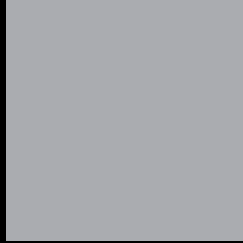
Large Text (above 18pt) WCAG AA × Fail

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 41.1857, 0.3076, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

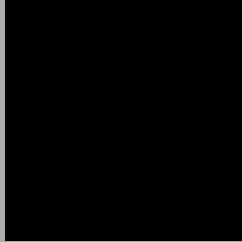
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

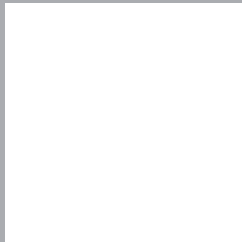
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1857, 0.3076, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 41.1857, 0.3076, 0.3235.



This preview shows how white text looks on a background with the Yxy color 41.1857, 0.3076, 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

41.1857, 0.3076, 0.3235

Protanopia

41.2196, 0.3121, 0.3236

Deuteranopia

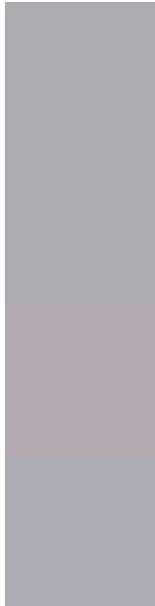
41.2509, 0.3216, 0.3159



Tritanopia

41.2444, 0.3021, 0.3114

Trichromacy



Original Color

41.1857, 0.3076, 0.3235

Protanomaly

41.1052, 0.3112, 0.3235

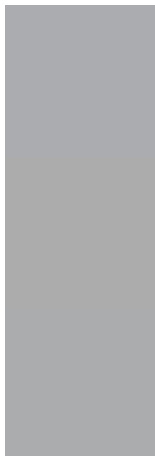
Deuteranomaly

41.2536, 0.3159, 0.3183

Tritanomaly

41.1199, 0.3045, 0.3154

Monochromacy



Original Color

41.1857, 0.3076, 0.3235

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.1801, 0.3110, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1857, 0.3076, 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(170, 172, 176)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 176)  
}
```

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, 172, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 176) }
```

Border

The CSS property to change the border of an element to Yxy 41.1857, 0.3076, 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(170, 172, 176) }
```

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

```
.border{ border-color:rgb(170, 172, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 172, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 176);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1857, 0.3076, 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(170, 172, 176) }
```

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

```
.background{ background-color: rgb(170,  
172, 176) }
```

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