

Converting Colors

$Y_{xy}(36.9592, 0.3055, 0.3177)$

Have a look what the booklet for
Yxy(36.9592, 0.3055, 0.3177)
contains.

Yxy(36.9212, 0.3058, 0.3176)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9212, 0.3058, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	A3A3AB
RGB	163, 163, 171
RGB Percent	64%, 64%, 67%
CMY	0.3608, 0.3607, 0.3294
CMYK	0.05, 0.05, 0.00, 0.33
HSL	240°, 5%, 65%
HSV	240°, 5%, 67%
XYZ	35.5494, 36.9212, 43.7800
YIQ	163.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

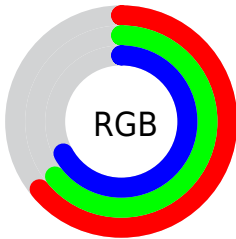
Format	Color
RYB	163, 163, 171
Decimal	10724267
CIELab	67.22, 1.55, -4.14
CIELCh	67, 4.418, 290.539
Yxy	36.9212, 0.3058, 0.3176
Android (android.graphics.Color)	4288914347 (0xFFA3A3AB)
YUV	163.9120, 3.4944, -0.7998
Hunter-Lab	60.7628, -1.9030, -0.1848

Details

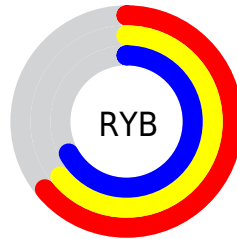
The Yxy color **36.9212, 0.3058, 0.3176** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.4178, 0.3195, 0.3402**, and the grayscale version is **37.0641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5392, 0.3074, 0.3203**, and **16.0803, 0.3030, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **29.5867, 0.2896, 0.2908**, and if you desaturate by 10%, it is **45.3190, 0.3200, 0.3411**.

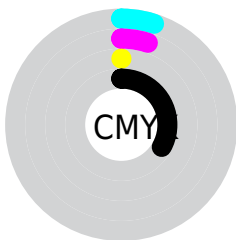
Distribution



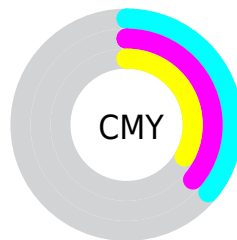
- Red (64%)
- Green (64%)
- Blue (67%)



- Red (64%)
- Yellow (64%)
- Blue (67%)



- Cyan (5%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)





- Cyan (36%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9212, 0.3058, 0.3176 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 36.9212, 0.3058, 0.3176 by changing the saturation by 10% instead.


 36.9212, 0.3058,
0.3176


 36.9212, 0.3058,
0.3176


332.9692, 0.3094,
0.3235

 25.1465, 0.3049,
0.3161


 70.4516, 0.3071,
0.3198

 16.1862, 0.3036,
0.3140


 92.9760, 0.3076,
0.3206

 9.6560, 0.3019,
0.3113


119.8525, 0.3081,
0.3213

 5.1715, 0.2994,
0.3072

151.4654, 0.3084,
0.3219

 2.3482, 0.2953,
0.3008

188.1991, 0.3087,
0.3224

 0.7991, 0.2879,
0.2886

230.4381, 0.3090,

 0.0000, 0.0000,

0.3228

0.0000

278.5667, 0.3092,
0.3232

■ 36.9212, 0.3058,
0.3176

■ 36.9212, 0.3058,
0.3176

■ 29.5867, 0.2896,
0.2908

■ 45.3190, 0.3200,
0.3411

■ 23.2685, 0.2713,
0.2608

■ 54.8151, 0.3324,
0.3614

■ 17.9234, 0.2514,
0.2279

■ 65.4488, 0.3430,
0.3789

■ 13.5030, 0.2304,
0.1932

■ 77.2561, 0.3521,
0.3939

■ 9.9548, 0.2093,
0.1583

■ 90.2713, 0.3600,
0.4068

■ 7.2212, 0.1895,
0.1257

■ 95.7202, 0.3626,
0.4115

■ 5.2375, 0.1727,
0.0978

■ 3.9293, 0.1603,
0.0771

■ 3.2069, 0.1528,
0.0648

Harmonies

Analogous

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



36.9212, 0.3013, 0.3189



36.9212, 0.3058, 0.3176



36.9212, 0.3122, 0.3193

Triad

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



36.9212, 0.3058, 0.3176



36.9212, 0.3258, 0.3349



36.9212, 0.3066, 0.3346

Complementary

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



36.9212, 0.3058, 0.3176



40.4178, 0.3195, 0.3402

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.



36.9212, 0.3131, 0.3390



36.9212, 0.3058, 0.3176



36.9212, 0.3243, 0.3391

Square

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



36.9212, 0.3058, 0.3176



36.9212, 0.3238, 0.3292



36.9212, 0.3196, 0.3407



36.9212, 0.3017, 0.3287

Rectangle

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



36.9212, 0.3058, 0.3176



36.9212, 0.3167, 0.3219



36.9212, 0.3196, 0.3407



36.9212, 0.3086, 0.3363

Sweetspot

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



36.9228, 0.3058, 0.3176



71.4208, 0.3113, 0.3266



39.8456, 0.3057, 0.3292



15.9455, 0.3113, 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.



36.9228, 0.3058, 0.3176



64.1491, 0.3036, 0.3140



37.3292, 0.3094, 0.3177



8.2492, 0.3030, 0.3129



2.2266, 0.1501, 0.0603



0.0632, 0.1504, 0.0613

Inverse Universe

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



37.4914, 0.3203, 0.3290



65.4636, 0.3227, 0.3290



39.9985, 0.3159, 0.3403



8.4308, 0.3235, 0.3290



6.5278, 0.6397, 0.3297



0.1817, 0.6378, 0.3287

Previews

White Background



This preview shows how the Yxy color 36.9212, 0.3058, 0.3176 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 36.9212, 0.3058, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

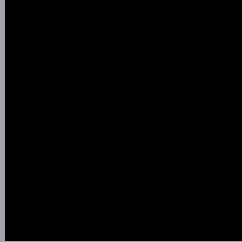
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

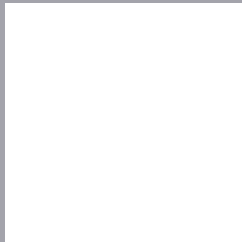
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9212, 0.3058, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 36.9212, 0.3058, 0.3176.



This preview shows how white text looks on a background with the Yxy color 36.9212, 0.3058, 0.3176.

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

36.9212, 0.3058, 0.3176

Protanopia

37.0272, 0.3067, 0.3176

Deuteranopia

37.0049, 0.3174, 0.3111



Tritanopia

36.8283, 0.3034, 0.3106

Trichromacy



Original Color

36.9212, 0.3058, 0.3176

Protanomaly

37.0272, 0.3067, 0.3176

Deuteranomaly

36.7781, 0.3126, 0.3123

Tritanomaly

36.7892, 0.3042, 0.3120

Monochromacy



Original Color

36.9212, 0.3058, 0.3176

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.2335, 0.3101, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9212, 0.3058, 0.3176 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(163, 163, 171)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 171)  
}
```

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(163, 163, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 171) }
```

Border

The CSS property to change the border of an element to Yxy 36.9212, 0.3058, 0.3176 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(163, 163, 171) }
```

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

```
.border{ border-color:rgb(163, 163, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 171);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9212, 0.3058, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 171) }
```

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

```
.background{ background-color: rgb(163,  
163, 171) }
```

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