

Converting Colors

$Y_{xy}(36.7730, 0.3158, 0.3238)$

Have a look what the booklet for
Yxy(36.7730, 0.3158, 0.3238)
contains.

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Color

Yxy(36.8821, 0.3158, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	A8A2A5
RGB	168, 162, 165
RGB Percent	66%, 64%, 65%
CMY	0.3411, 0.3647, 0.3531
CMYK	0.00, 0.04, 0.02, 0.34
HSL	330°, 3%, 65%
HSV	330°, 4%, 66%
XYZ	35.8601, 36.8821, 40.8110
YIQ	164.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

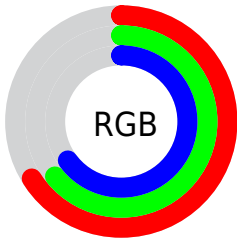
Format	Color
RYB	168, 162, 165
Decimal	11051685
CIELab	67.19, 2.72, -0.77
CIELCh	67, 2.831, 344.155
Yxy	36.8821, 0.3158, 0.3248
Android (android.graphics.Color)	4289241765 (0xFFA8A2A5)
YUV	164.1360, 0.4260, 3.3887
Hunter-Lab	60.7306, -0.8782, 2.6685

Details

The Yxy color **36.8821, 0.3158, 0.3248** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.4107, 0.3097, 0.3332**, and the grayscale version is **37.1903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4810, 0.3150, 0.3257**, and **16.0571, 0.3170, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **31.0548, 0.3256, 0.3126**, and if you desaturate by 10%, it is **43.5241, 0.3077, 0.3363**.

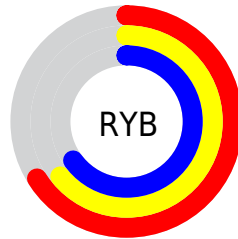
Distribution



Red (66%)

Green (64%)

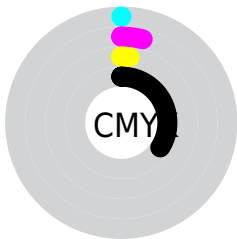
Blue (65%)



Red (66%)

Yellow (64%)

Blue (65%)

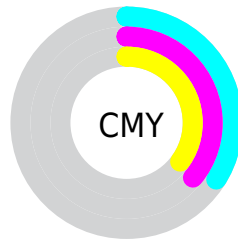


Cyan (0%)

Magenta (4%)

Yellow (2%)

Black (34%)



Cyan (34%)


Magenta (36%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8821, 0.3158, 0.3248 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 36.8821, 0.3158, 0.3248 by changing the saturation by 10% instead.


 36.8821, 0.3158,
0.3248


 36.8821, 0.3158,
0.3248


332.7998, 0.3142,
0.3270

 25.1162, 0.3162,
0.3242


 70.3914, 0.3152,
0.3256

 16.1637, 0.3168,
0.3235


 92.9036, 0.3150,
0.3259

 9.6400, 0.3175,
0.3224


119.7668, 0.3148,
0.3262

 5.1610, 0.3186,
0.3209

151.3652, 0.3146,
0.3264

 2.3420, 0.3204,
0.3185

188.0833, 0.3145,
0.3266

 0.7958, 0.3241,
0.3134

230.3055, 0.3144,

 0.0000, 0.0000,

0.3267

0.0000

278.4162, 0.3143,
0.3269

■ 36.8821, 0.3158,
0.3248

■ 36.8821, 0.3158,
0.3248

■ 31.0548, 0.3256,
0.3126

■ 43.5241, 0.3077,
0.3363

■ 26.0058, 0.3374,
0.2998

■ 51.0059, 0.3010,
0.3469

■ 21.7033, 0.3514,
0.2868

■ 59.3571, 0.2954,
0.3568

■ 18.1110, 0.3680,
0.2740

■ 68.6049, 0.2908,
0.3658

■ 15.1900, 0.3871,
0.2623

■ 78.7750, 0.2870,
0.3740

■ 12.8974, 0.4087,
0.2527

■ 84.8062, 0.2832,
0.3735

■ 11.1852, 0.4324,
0.2463

■ 85.2580, 0.2789,
0.3634

■ 9.9985, 0.4571,
0.2443

■ 85.7330, 0.2747,
0.3535

■ 9.2717, 0.4816,
0.2475

■ 86.2314, 0.2706,
0.3438

Harmonies

Analogous

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



36.8821, 0.3115, 0.3224



36.8821, 0.3158, 0.3248



36.8821, 0.3193, 0.3283

Triad

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



36.8821, 0.3158, 0.3248



36.8821, 0.3179, 0.3364



36.8821, 0.3045, 0.3259

Complementary

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



36.8821, 0.3158, 0.3248



38.4107, 0.3097, 0.3332

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.



36.8821, 0.3062, 0.3297



36.8821, 0.3158, 0.3248



36.8821, 0.3139, 0.3358

Square

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



36.8821, 0.3158, 0.3248



36.8821, 0.3205, 0.3351



36.8821, 0.3096, 0.3333



36.8821, 0.3050, 0.3230

Rectangle

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



36.8821, 0.3158, 0.3248



36.8821, 0.3207, 0.3309



36.8821, 0.3096, 0.3333



36.8821, 0.3048, 0.3271

Sweetspot

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



36.8837, 0.3158, 0.3248



69.8594, 0.3136, 0.3278



36.6697, 0.3103, 0.3204



15.2410, 0.3135, 0.3279



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



36.8837, 0.3158, 0.3248



66.3599, 0.3162, 0.3242



36.7769, 0.3184, 0.3290



8.2301, 0.3168, 0.3235



6.7673, 0.4950, 0.2501



0.1750, 0.4233, 0.2106

Inverse Universe

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



36.8837, 0.3158, 0.3248



66.3599, 0.3162, 0.3242



38.5200, 0.3073, 0.3290



8.2301, 0.3168, 0.3235



6.7673, 0.4950, 0.2501



0.1750, 0.4233, 0.2106

Previews

White Background



This preview shows how the Yxy color 36.8821, 0.3158, 0.3248 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 36.8821, 0.3158, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

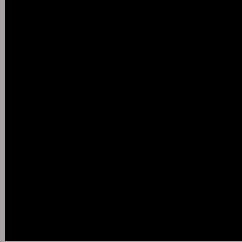
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8821, 0.3158, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 36.8821, 0.3158, 0.3248.

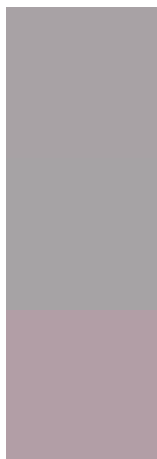


This preview shows how white text looks on a background with the Yxy color 36.8821, 0.3158, 0.3248.

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

36.8821, 0.3158, 0.3248

Protanopia

37.0180, 0.3138, 0.3262

Deuteranopia

36.6719, 0.3249, 0.3180



Tritanopia

36.9419, 0.3097, 0.3122

Trichromacy



Original Color

36.8821, 0.3158, 0.3248

Protanomaly

37.1265, 0.3147, 0.3262

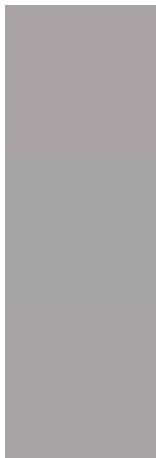
Deuteranomaly

36.5481, 0.3209, 0.3193

Tritanomaly

36.8270, 0.3124, 0.3164

Monochromacy



Original Color

36.8821, 0.3158, 0.3248

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.8741, 0.3137, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8821, 0.3158, 0.3248 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(168, 162, 165)` looks like.

```
.text, #text, p{  
    color:rgb(168, 162, 165)  
}
```

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(168, 162, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 162, 165) }
```

Border

The CSS property to change the border of an element to Yxy 36.8821, 0.3158, 0.3248 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(168, 162, 165) }
```

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

```
.border{ border-color:rgb(168, 162, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 162, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 162, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 162, 165);  
box-shadow:4px 4px 4px 4px rgb(168, 162,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8821, 0.3158, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 162, 165) }
```

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

```
.background{ background-color: rgb(168,  
162, 165) }
```

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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