

Converting Colors

$Y_{xy}(36.5210, 0.3025, 0.3078)$

Have a look what the booklet for
Yxy(36.5210, 0.3025, 0.3078)
contains.

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Color

Yxy(36.5168, 0.3025, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	A4A1B0
RGB	164, 161, 176
RGB Percent	64%, 63%, 69%
CMY	0.3569, 0.3686, 0.3098
CMYK	0.07, 0.09, 0.00, 0.31
HSL	252°, 9%, 66%
HSV	252°, 9%, 69%
XYZ	35.8880, 36.5168, 46.2333
YIQ	163.6070, -3.0270, 5.3010

Conversions

Conversions Part 2

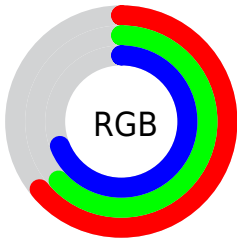
Format	Color
RYB	164, 161, 176
Decimal	10789296
CIELab	66.91, 4.00, -7.37
CIELCh	67, 8.388, 298.517
Yxy	36.5168, 0.3025, 0.3078
Android (android.graphics.Color)	4288979376 (0xFFA4A1B0)
YUV	163.6070, 6.1097, 0.3447
Hunter-Lab	60.4291, 0.2577, -3.0613

Details

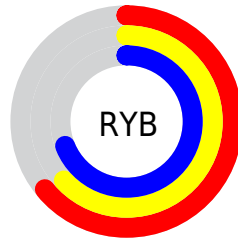
The Yxy color **36.5168, 0.3025, 0.3078** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.5146, 0.3224, 0.3497**, and the grayscale version is **36.8991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9980, 0.3043, 0.3117**, and **16.0518, 0.2984, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **29.3740, 0.2889, 0.2803**, and if you desaturate by 10%, it is **44.6953, 0.3144, 0.3325**.

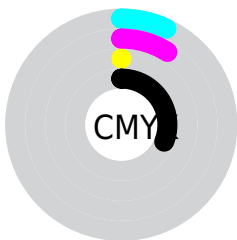
Distribution



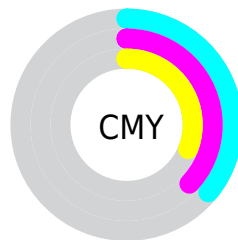
- Red (64%)
- Green (63%)
- Blue (69%)



- Red (64%)
- Yellow (63%)
- Blue (69%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5168, 0.3025, 0.3078 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 36.5168, 0.3025, 0.3078 by changing the saturation by 10% instead.

■ 36.5168, 0.3025,
0.3078

■ 36.5168, 0.3025,
0.3078

331.2138, 0.3079,
0.3187

■ 24.8336, 0.3011,
0.3050

■ 69.8290, 0.3045,
0.3118

■ 15.9531, 0.2992,
0.3013

■ 92.2268, 0.3052,
0.3133

■ 9.4910, 0.2966,
0.2962

118.9649, 0.3059,
0.3146

■ 5.0628, 0.2928,
0.2889

150.4276, 0.3064,
0.3157

■ 2.2842, 0.2867,
0.2775

186.9995, 0.3068,
0.3166

■ 0.7653, 0.2758,
0.2558

229.0649, 0.3072,

■ 0.0000, 0.0000,

0.3174

0.0000

277.0082, 0.3075,
0.3181

■ 36.5168, 0.3025,
0.3078

■ 36.5168, 0.3025,
0.3078

■ 29.3740, 0.2889,
0.2803

■ 44.6953, 0.3144,
0.3325

■ 23.2208, 0.2735,
0.2502

■ 53.9440, 0.3246,
0.3543

■ 18.0147, 0.2565,
0.2180

■ 64.3013, 0.3333,
0.3735

■ 13.7080, 0.2382,
0.1848

■ 75.8024, 0.3408,
0.3903

■ 10.2489, 0.2195,
0.1523

■ 88.4811, 0.3471,
0.4050

■ 7.5804, 0.2014,
0.1224

■ 94.7348, 0.3554,
0.4078

■ 5.6382, 0.1849,
0.0973

■ 95.9148, 0.3597,
0.4066

■ 4.3475, 0.1713,
0.0787

■ 3.5835, 0.1612,
0.0670

Harmonies

Analogous

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



36.5168, 0.2928, 0.3086



36.5168, 0.3025, 0.3078



36.5168, 0.3151, 0.3124

Triad

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



36.5168, 0.3025, 0.3078



36.5168, 0.3377, 0.3426



36.5168, 0.2981, 0.3368

Complementary

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



36.5168, 0.3025, 0.3078



42.5146, 0.3224, 0.3497

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.



36.5168, 0.3099, 0.3465



36.5168, 0.3025, 0.3078



36.5168, 0.3329, 0.3496

Square

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



36.5168, 0.3025, 0.3078



36.5168, 0.3357, 0.3322



36.5168, 0.3227, 0.3511



36.5168, 0.2903, 0.3251

Rectangle

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



36.5168, 0.3025, 0.3078



36.5168, 0.3236, 0.3180



36.5168, 0.3227, 0.3511



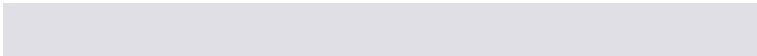
36.5168, 0.3017, 0.3404

Sweetspot

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



36.5183, 0.3025, 0.3078



74.0988, 0.3092, 0.3216



40.6983, 0.2998, 0.3251



15.8024, 0.3083, 0.3197



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.



36.5183, 0.3025, 0.3078



63.9557, 0.3004, 0.3034



37.3149, 0.3092, 0.3082



8.3085, 0.3015, 0.3057



2.5803, 0.1606, 0.0659



0.1049, 0.1871, 0.0804

Inverse Universe

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



37.7425, 0.3163, 0.3125



66.5821, 0.3171, 0.3093



41.7071, 0.3159, 0.3501



8.6173, 0.3167, 0.3109



8.1951, 0.3774, 0.1853



0.2652, 0.3590, 0.1751

Previews

White Background



This preview shows how the Yxy color 36.5168, 0.3025, 0.3078 looks on a white background.

Color Contrast Check

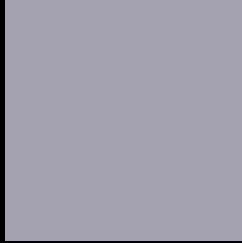
Large Text (above 18pt) WCAG AA × Fail

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 36.5168, 0.3025, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

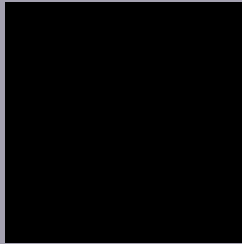
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

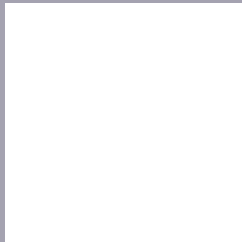
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5168, 0.3025, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 36.5168, 0.3025, 0.3078.

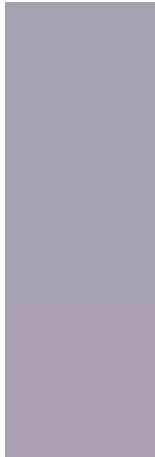


This preview shows how white text looks on a background with the Yxy color 36.5168, 0.3025, 0.3078.

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

36.5168, 0.3025, 0.3078

Protanopia

36.6566, 0.3007, 0.3091

Deuteranopia

36.3987, 0.3092, 0.3027



Tritanopia

36.4382, 0.3042, 0.3106

Trichromacy



Original Color

36.5168, 0.3025, 0.3078

Protanomaly

36.7618, 0.3016, 0.3092

Deuteranomaly

36.4056, 0.3063, 0.3039

Tritanomaly

36.4774, 0.3034, 0.3092

Monochromacy



Original Color

36.5168, 0.3025, 0.3078

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.9141, 0.3093, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5168, 0.3025, 0.3078 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(164, 161, 176)` looks like.

```
.text, #text, p{  
    color:rgb(164, 161, 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(164, 161, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 161, 176) }
```

Border

The CSS property to change the border of an element to Yxy 36.5168, 0.3025, 0.3078 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(164, 161, 176) }
```

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

```
.border{ border-color:rgb(164, 161, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 161, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 161, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 161, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 161,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5168, 0.3025, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 161, 176) }
```

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

```
.background{ background-color: rgb(164,  
161, 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](#).

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