

Converting Colors

$Y_{xy}(42.5221, 0.3072, 0.3199)$

Have a look what the booklet for
Yxy(42.5221, 0.3072, 0.3199)
contains.

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Color

Yxy(42.6070, 0.3070, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	AEAEB5
RGB	174, 174, 181
RGB Percent	68%, 68%, 71%
CMY	0.3177, 0.3176, 0.2902
CMYK	0.04, 0.04, 0.00, 0.29
HSL	240°, 5%, 70%
HSV	240°, 4%, 71%
XYZ	40.9272, 42.6070, 49.7793
YIQ	174.7980, -2.2470, 2.1770

Conversions

Conversions Part 2

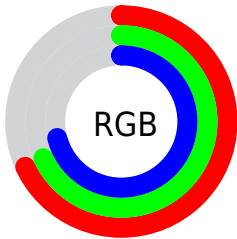
Format	Color
RYB	174, 174, 181
Decimal	11447989
CIELab	71.29, 1.33, -3.58
CIELCh	71, 3.816, 290.377
Yxy	42.6070, 0.3070, 0.3196
Android (android.graphics.Color)	4289638069 (0xFFFAEAEB5)
YUV	174.7980, 3.0576, -0.6998
Hunter-Lab	65.2740, -2.3089, 0.4761

Details

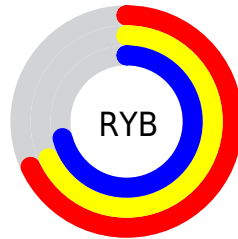
The Yxy color **42.6070, 0.3070, 0.3196** is a light color, and the websafe version is hex **999999**. A complement of this color would be **45.9084, 0.3183, 0.3382**, and the grayscale version is **42.7437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8111, 0.3077, 0.3207**, and **19.6152, 0.3060, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **34.1717, 0.2909, 0.2930**, and if you desaturate by 10%, it is **52.2583, 0.3211, 0.3428**.

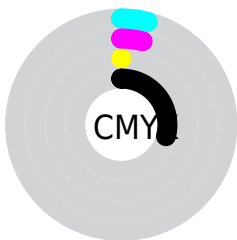
Distribution



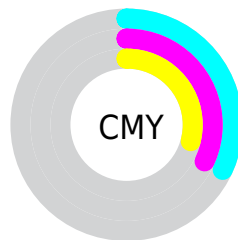
- Red (68%)
- Green (68%)
- Blue (71%)



- Red (68%)
- Yellow (68%)
- Blue (71%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)



- Cyan (32%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6070, 0.3070, 0.3196 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 42.6070, 0.3070, 0.3196 by changing the saturation by 10% instead.

■ 42.6070, 0.3070,
0.3196

■ 42.6070, 0.3070,
0.3196

356.9931, 0.3099,
0.3244

■ 29.5769, 0.3063,
0.3184

■ 79.1175, 0.3081,
0.3213

■ 19.5177, 0.3053,
0.3168

103.3666, 0.3085,
0.3220

■ 12.0449, 0.3040,
0.3147

132.1242, 0.3088,
0.3225

■ 6.7743, 0.3021,
0.3117

165.7747, 0.3091,
0.3230

■ 3.3213, 0.2993,
0.3072

204.7024, 0.3093,
0.3234

■ 1.3017, 0.2944,
0.2994

249.2918, 0.3096,

■ 0.1425, 0.2346,

0.3238

0.1991

299.9272, 0.3097,
0.3241

0.0000, 0.0000,
0.0000

42.6070, 0.3070,
0.3196

42.6070, 0.3070,
0.3196

34.1717, 0.2909,
0.2930

52.2583, 0.3211,
0.3428

26.8991, 0.2727,
0.2632

63.1656, 0.3334,
0.3630

20.7398, 0.2528,
0.2304

75.3734, 0.3439,
0.3803

15.6390, 0.2318,
0.1957

88.9228, 0.3530,
0.3951

11.5371, 0.2106,
0.1607

96.1160, 0.3567,
0.4018

■ 8.3686, 0.1906,
0.1277

■ 6.0602, 0.1736,
0.0994

■ 4.5278, 0.1608,
0.0781

■ 3.6703, 0.1531,
0.0653

Harmonies

Analogous

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



42.6070, 0.3033, 0.3207



42.6070, 0.3070, 0.3196



42.6070, 0.3123, 0.3210

Triad

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



42.6070, 0.3070, 0.3196



42.6070, 0.3235, 0.3339



42.6070, 0.3077, 0.3336

Complementary

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



42.6070, 0.3070, 0.3196



45.9084, 0.3183, 0.3382

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.



42.6070, 0.3131, 0.3372



42.6070, 0.3070, 0.3196



42.6070, 0.3223, 0.3373

Square

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



42.6070, 0.3070, 0.3196



42.6070, 0.3219, 0.3292



42.6070, 0.3184, 0.3386



42.6070, 0.3037, 0.3288

Rectangle

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



42.6070, 0.3070, 0.3196



42.6070, 0.3160, 0.3231



42.6070, 0.3184, 0.3386



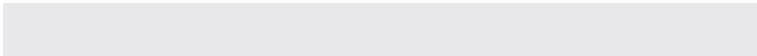
42.6070, 0.3094, 0.3350

Sweetspot

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



42.6088, 0.3070, 0.3196



81.0368, 0.3112, 0.3266



45.3725, 0.3069, 0.3291



17.5347, 0.3113, 0.3267



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.6088, 0.3070, 0.3196



74.3817, 0.3052, 0.3166



42.9889, 0.3100, 0.3196



8.9342, 0.3044, 0.3153



2.3176, 0.1501, 0.0604



0.0753, 0.1506, 0.0622

Inverse Universe

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



43.1421, 0.3189, 0.3290



75.6241, 0.3210, 0.3290



45.5184, 0.3154, 0.3384



9.0995, 0.3219, 0.3290



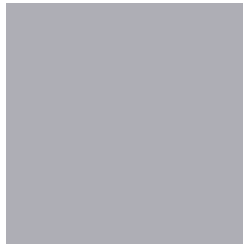
6.7741, 0.6394, 0.3296



0.2134, 0.6363, 0.3279

Previews

White Background



This preview shows how the Yxy color 42.6070, 0.3070, 0.3196 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 42.6070, 0.3070, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

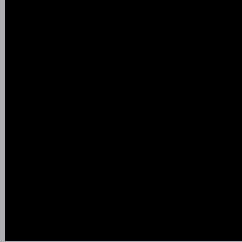
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

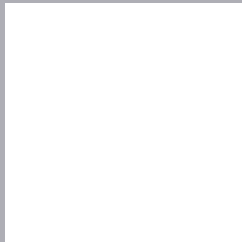
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6070, 0.3070, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 42.6070, 0.3070, 0.3196.



This preview shows how white text looks on a background with the Yxy color 42.6070, 0.3070, 0.3196.

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

42.6070, 0.3070, 0.3196

Protanopia

42.4534, 0.3088, 0.3183

Deuteranopia

42.4447, 0.3190, 0.3121



Tritanopia

42.5890, 0.3031, 0.3104

Trichromacy



Original Color

42.6070, 0.3070, 0.3196

Protanomaly

42.3373, 0.3079, 0.3183

Deuteranomaly

42.5705, 0.3143, 0.3146

Tritanomaly

42.5039, 0.3047, 0.3130

Monochromacy



Original Color

42.6070, 0.3070, 0.3196

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.9482, 0.3111, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6070, 0.3070, 0.3196 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(174, 174, 181)` looks like.

```
.text, #text, p{  
    color:rgb(174, 174, 181)  
}
```

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(174, 174, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 174, 181) }
```

Border

The CSS property to change the border of an element to Yxy 42.6070, 0.3070, 0.3196 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(174, 174, 181) }
```

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

```
.border{ border-color:rgb(174, 174, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 174, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 174, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 174, 181);  
box-shadow:4px 4px 4px 4px rgb(174, 174,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6070, 0.3070, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 174, 181) }
```

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

```
.background{ background-color: rgb(174,  
174, 181) }
```

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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