

Converting Colors

$Y_{xy}(41.9250, 0.3011, 0.3202)$

Have a look what the booklet for
Yxy(41.9250, 0.3011, 0.3202)
contains.

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Color

Yxy(41.8238, 0.3010, 0.3194)

Conversions

Conversions Part 1

Format	Color
Hex	A7AEB5
RGB	167, 174, 181
RGB Percent	65%, 68%, 71%
CMY	0.3450, 0.3176, 0.2902
CMYK	0.08, 0.04, 0.00, 0.29
HSL	210°, 9%, 68%
HSV	210°, 8%, 71%
XYZ	39.4144, 41.8238, 49.7067
YIQ	172.7050, -6.4190, 0.6930

Conversions

Conversions Part 2

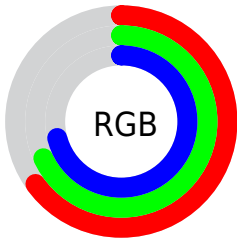
Format	Color
RYB	167, 172, 181
Decimal	10989237
CIELab	70.75, -1.06, -4.43
CIElCh	71, 4.556, 256.516
Yxy	41.8238, 0.3010, 0.3194
Android (android.graphics.Color)	4289179317 (0xFFA7AEB5)
YUV	172.7050, 4.0894, -5.0033
Hunter-Lab	64.6713, -4.3867, -0.3006

Details

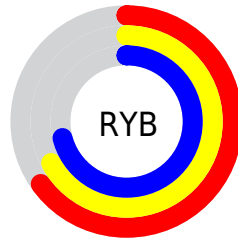
The Yxy color **41.8238, 0.3010, 0.3194** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.8883, 0.3248, 0.3384**, and the grayscale version is **41.6141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6826, 0.3030, 0.3205**, and **19.1224, 0.2977, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **36.6089, 0.2853, 0.3057**, and if you desaturate by 10%, it is **47.5540, 0.3161, 0.3317**.

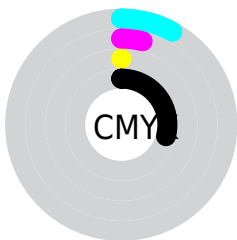
Distribution



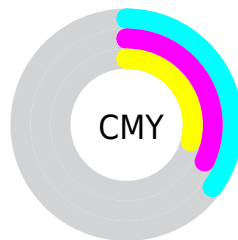
- Red (65%)
- Green (68%)
- Blue (71%)



- Red (65%)
- Yellow (67%)
- Blue (71%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)





- Cyan (35%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8238, 0.3010, 0.3194 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 41.8238, 0.3010, 0.3194 by changing the saturation by 10% instead.


 41.8238, 0.3010,
0.3194

 41.8238, 0.3010,
0.3194


353.7520, 0.3070,
0.3243

 28.9633, 0.2995,
0.3181


 77.9329, 0.3032,
0.3212

 19.0531, 0.2975,
0.3165


 101.9503, 0.3040,
0.3219

 11.7087, 0.2949,
0.3143


130.4555, 0.3047,
0.3224

 6.5456, 0.2911,
0.3111

163.8329, 0.3053,
0.3229

 3.1796, 0.2853,
0.3063

202.4668, 0.3058,
0.3233

 1.2262, 0.2753,
0.2978

246.7417, 0.3062,

 0.0829, 0.0987,

0.3237

0.1548

297.0420, 0.3066,
0.3240

■ 0.0000, 0.0000,
0.0000

■ 41.8238, 0.3010,
0.3194

■ 41.8238, 0.3010,
0.3194

■ 36.6089, 0.2853,
0.3057

■ 47.5540, 0.3161,
0.3317

■ 31.8879, 0.2692,
0.2906

■ 53.8093, 0.3304,
0.3426

■ 27.6457, 0.2530,
0.2741

■ 60.6060, 0.3439,
0.3522

■ 23.8642, 0.2371,
0.2563

■ 67.9581, 0.3565,
0.3607

■ 20.5240, 0.2220,
0.2376

■ 75.3994, 0.3663,
0.3684

■ 17.6040, 0.2082,
0.2184

■ 80.2603, 0.3638,
0.3772

■ 15.0808, 0.1962,
0.1990

■ 85.3823, 0.3613,
0.3858

■ 12.9279, 0.1864,
0.1800

■ 90.7691, 0.3589,
0.3941

■ 11.1069, 0.1788,
0.1620

■ 96.1159, 0.3567,
0.4018

Harmonies

Analogous

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



41.8238, 0.3000, 0.3237



41.8238, 0.3010, 0.3194



41.8238, 0.3051, 0.3177

Triad

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



41.8238, 0.3010, 0.3194



41.8238, 0.3232, 0.3284



41.8238, 0.3140, 0.3393

Complementary

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



41.8238, 0.3010, 0.3194



42.8883, 0.3248, 0.3384

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.



41.8238, 0.3203, 0.3405



41.8238, 0.3010, 0.3194



41.8238, 0.3256, 0.3341

Square

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



41.8238, 0.3010, 0.3194



41.8238, 0.3180, 0.3229



41.8238, 0.3246, 0.3386



41.8238, 0.3074, 0.3352

Rectangle

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



41.8238, 0.3010, 0.3194



41.8238, 0.3091, 0.3183



41.8238, 0.3246, 0.3386



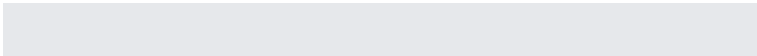
41.8238, 0.3162, 0.3400

Sweetspot

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



41.8256, 0.3010, 0.3194



80.6386, 0.3097, 0.3266



44.3180, 0.3063, 0.3385



17.4531, 0.3098, 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.



41.8256, 0.3010, 0.3194



73.5259, 0.2988, 0.3175



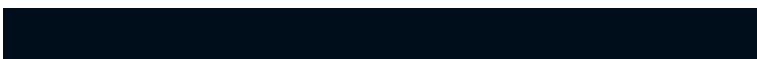
39.1963, 0.3010, 0.3097



8.9084, 0.2985, 0.3173



7.5333, 0.1778, 0.1601



0.3537, 0.1920, 0.2112

Inverse Universe

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



40.5221, 0.3196, 0.3197



70.8114, 0.3210, 0.3179



45.6580, 0.3240, 0.3476



8.5737, 0.3212, 0.3177



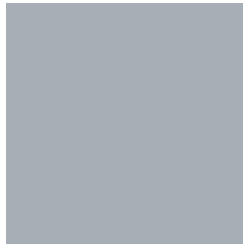
7.3006, 0.4930, 0.2489



0.2415, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 41.8238, 0.3010, 0.3194 looks on a white background.

Color Contrast Check

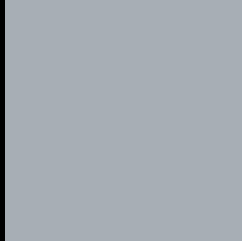
Large Text (above 18pt) WCAG AA × Fail

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 41.8238, 0.3010, 0.3194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

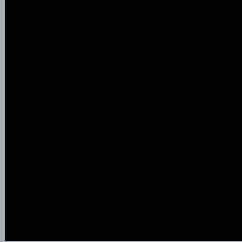
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

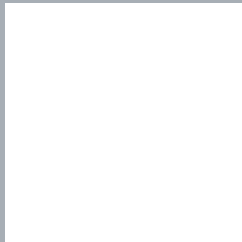
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8238, 0.3010, 0.3194

Background



This preview shows how black text looks on a background with the Yxy color 41.8238, 0.3010, 0.3194.



This preview shows how white text looks on a background with the Yxy color 41.8238, 0.3010, 0.3194.

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

41.8238, 0.3010, 0.3194

Protanopia

41.7990, 0.3079, 0.3182

Deuteranopia

41.6970, 0.3163, 0.3107



Tritanopia

41.7998, 0.2971, 0.3100

Trichromacy



Original Color

41.8238, 0.3010, 0.3194

Protanomaly

41.8404, 0.3052, 0.3195

Deuteranomaly

41.5918, 0.3099, 0.3130

Tritanomaly

41.7148, 0.2987, 0.3127

Monochromacy



Original Color

41.8238, 0.3010, 0.3194

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.6797, 0.3085, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8238, 0.3010, 0.3194 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(167, 174, 181)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 174, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 174, 181) }
```

Border

The CSS property to change the border of an element to Yxy 41.8238, 0.3010, 0.3194 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(167, 174, 181) }
```

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

```
.border{ border-color:rgb(167, 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(167, 174, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 174, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 174, 181);  
box-shadow:4px 4px 4px 4px rgb(167, 174,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8238, 0.3010, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 174, 181) }
```

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

```
.background{ background-color: rgb(167,  
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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