

Converting Colors

$Y_{xy}(40.8500, 0.3013, 0.3172)$

Have a look what the booklet for
Yxy(40.8500, 0.3013, 0.3172)
contains.

Yxy(41.0158, 0.3018, 0.3180)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.0158, 0.3018, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	A7ACB4
RGB	167, 172, 180
RGB Percent	65%, 67%, 71%
CMY	0.3451, 0.3255, 0.2942
CMYK	0.07, 0.04, 0.00, 0.29
HSL	217°, 8%, 68%
HSV	217°, 7%, 71%
XYZ	38.9263, 41.0158, 49.0384
YIQ	171.4170, -5.5480, 1.4280

Conversions

Conversions Part 2

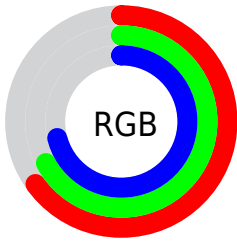
Format	Color
R _Y B	167, 171, 180
Decimal	10988724
CIE Lab	70.19, -0.18, -4.71
CIE LCh	70, 4.710, 267.758
Yxy	41.0158, 0.3018, 0.3180
Android (android.graphics.Color)	4289178804 (0xFFA7ACB4)
YUV	171.4170, 4.2314, -3.8737
Hunter-Lab	64.0436, -3.5822, -0.5681

Details

The Yxy color **41.0158, 0.3018, 0.3180** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.1468, 0.3238, 0.3398**, and the grayscale version is **40.9264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5239, 0.3036, 0.3194**, and **18.6101, 0.2988, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **35.1531, 0.2859, 0.3012**, and if you desaturate by 10%, it is **47.5056, 0.3168, 0.3330**.

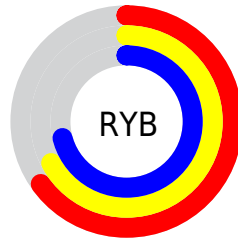
Distribution



Red (65%)

Green (67%)

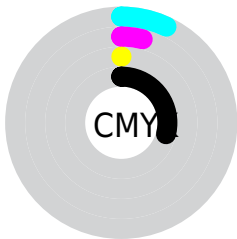
Blue (71%)



Red (65%)

Yellow (67%)

Blue (71%)

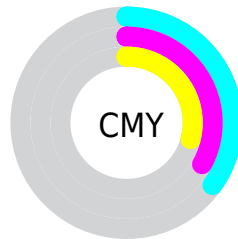


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (35%)


Magenta (33%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0158, 0.3018, 0.3180 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 41.0158, 0.3018, 0.3180 by changing the saturation by 10% instead.


 41.0158, 0.3018,
0.3180

 41.0158, 0.3018,
0.3180


350.3866, 0.3074,
0.3236

 28.3314, 0.3004,
0.3166


 76.7079, 0.3039,
0.3201

 18.5756, 0.2985,
0.3147


 100.4844, 0.3046,
0.3208

 11.3641, 0.2960,
0.3121


128.7270, 0.3053,
0.3215

 6.3123, 0.2924,
0.3085

161.8203, 0.3058,
0.3220

 3.0359, 0.2869,
0.3029

200.1484, 0.3063,
0.3225

 1.1505, 0.2772,
0.2931

244.0960, 0.3067,

 0.0207, 0.0392,

0.3229

0.0534

294.0472, 0.3070,
0.3233

0.0000, 0.0000,
0.0000

41.0158, 0.3018,
0.3180

41.0158, 0.3018,
0.3180

35.1531, 0.2859,
0.3012

47.5056, 0.3168,
0.3330

29.8926, 0.2692,
0.2825

54.6360, 0.3307,
0.3463

25.2152, 0.2520,
0.2620

62.4268, 0.3436,
0.3579

21.0988, 0.2348,
0.2400

70.8951, 0.3554,
0.3681

17.5198, 0.2182,
0.2169

79.6766, 0.3648,
0.3772

■ 14.4524, 0.2027,
0.1933

■ 85.9379, 0.3617,
0.3877

■ 11.8686, 0.1890,
0.1699

■ 92.5955, 0.3588,
0.3979

■ 9.7367, 0.1779,
0.1478

■ 96.0748, 0.3573,
0.4028

■ 8.0151, 0.1694,
0.1276

Harmonies

Analogous

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



41.0158, 0.2994, 0.3215



41.0158, 0.3018, 0.3180



41.0158, 0.3071, 0.3174

Triad

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



41.0158, 0.3018, 0.3180



41.0158, 0.3250, 0.3307



41.0158, 0.3114, 0.3384

Complementary

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



41.0158, 0.3018, 0.3180



43.1468, 0.3238, 0.3398

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.



41.0158, 0.3183, 0.3409



41.0158, 0.3018, 0.3180



41.0158, 0.3262, 0.3363

Square

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



41.0158, 0.3018, 0.3180



41.0158, 0.3205, 0.3247



41.0158, 0.3237, 0.3401



41.0158, 0.3050, 0.3334

Rectangle

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



41.0158, 0.3018, 0.3180



41.0158, 0.3116, 0.3187



41.0158, 0.3237, 0.3401



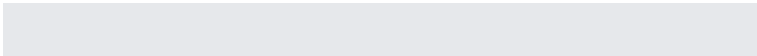
41.0158, 0.3138, 0.3396

Sweetspot

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



41.0175, 0.3018, 0.3180



80.3359, 0.3097, 0.3260



43.9407, 0.3057, 0.3361



17.3911, 0.3099, 0.3262



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.



41.0175, 0.3018, 0.3180



72.2342, 0.2988, 0.3149



39.2914, 0.3030, 0.3111



8.7490, 0.2985, 0.3146



5.4209, 0.1679, 0.1245



0.2856, 0.1842, 0.1829

Inverse Universe

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



40.3193, 0.3204, 0.3223



70.6810, 0.3227, 0.3204



44.9748, 0.3221, 0.3464



8.5576, 0.3229, 0.3203



7.0874, 0.5402, 0.2750



0.2346, 0.4651, 0.2336

Previews

White Background



This preview shows how the Yxy color 41.0158, 0.3018, 0.3180 looks on a white background.

Color Contrast Check

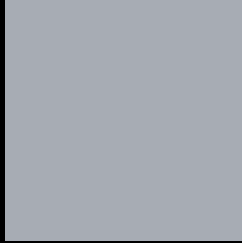
Large Text (above 18pt) WCAG AA × Fail

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 41.0158, 0.3018, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

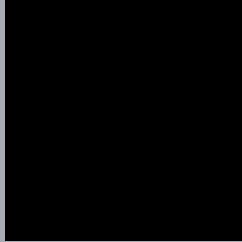
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

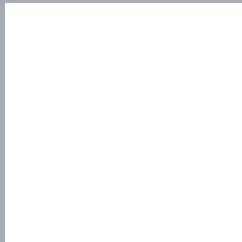
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.0158, 0.3018, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 41.0158, 0.3018, 0.3180.



This preview shows how white text looks on a background with the Yxy color 41.0158, 0.3018, 0.3180.

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

41.0158, 0.3018, 0.3180

Protanopia

40.7748, 0.3070, 0.3167

Deuteranopia

40.7990, 0.3164, 0.3092



Tritanopia

40.9534, 0.2987, 0.3099

Trichromacy



Original Color

41.0158, 0.3018, 0.3180

Protanomaly

40.9265, 0.3052, 0.3180

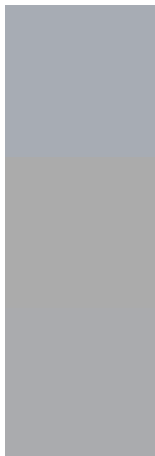
Deuteranomaly

40.8064, 0.3108, 0.3116

Tritanomaly

40.8695, 0.3003, 0.3126

Monochromacy



Original Color

41.0158, 0.3018, 0.3180

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7279, 0.3093, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0158, 0.3018, 0.3180 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, 172, 180)` looks like.

```
.text, #text, p{  
    color:rgb(167, 172, 180)  
}
```

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, 172, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 172, 180) }
```

Border

The CSS property to change the border of an element to Yxy 41.0158, 0.3018, 0.3180 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, 172, 180) }
```

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

```
.border{ border-color:rgb(167, 172, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 172, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 172, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 172, 180);  
box-shadow:4px 4px 4px 4px rgb(167, 172,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0158, 0.3018, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 172, 180) }
```

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

```
.background{ background-color: rgb(167,  
172, 180) }
```

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