

Converting Colors

$Y_{xy}(38.5002, 0.2921, 0.3121)$

Have a look what the booklet for
Yxy(38.5002, 0.2921, 0.3121)
contains.

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Color

Yxy(38.3685, 0.2923, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	9CA8B4
RGB	156, 168, 180
RGB Percent	61%, 66%, 71%
CMY	0.3881, 0.3412, 0.2941
CMYK	0.13, 0.07, 0.00, 0.29
HSL	210°, 14%, 66%
HSV	210°, 13%, 71%
XYZ	35.9574, 38.3685, 48.6895
YIQ	165.7800, -11.0040, 1.1880

Conversions

Conversions Part 2

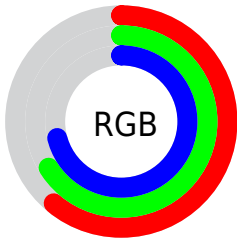
Format	Color
R_{YB}	156, 164, 180
Decimal	10266804
CIE _{Lab}	68.29, -1.70, -7.61
CIE _{LCh}	68, 7.799, 257.379
Yxy	38.3685, 0.2923, 0.3119
Android (android.graphics.Color)	4288456884 (0xFF9CA8B4)
YUV	165.7800, 7.0105, -8.5771
Hunter-Lab	61.9423, -4.7801, -3.2450

Details

The Yxy color **38.3685, 0.2923, 0.3119** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.1299, 0.3344, 0.3455**, and the grayscale version is **37.9950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6804, 0.2963, 0.3148**, and **17.0263, 0.2868, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **33.4881, 0.2763, 0.2974**, and if you desaturate by 10%, it is **43.7494, 0.3078, 0.3250**.

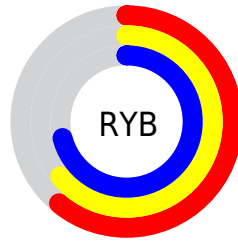
Distribution



Red (61%)

Green (66%)

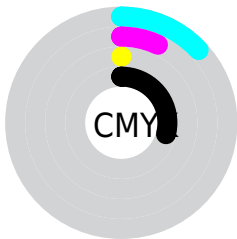
Blue (71%)



Red (61%)

Yellow (64%)

Blue (71%)

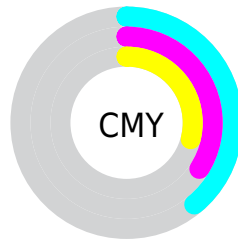


Cyan (13%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (39%)

Magenta (34%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3685, 0.2923, 0.3119 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 38.3685, 0.2923, 0.3119 by changing the saturation by 10% instead.

■ 38.3685, 0.2923,
0.3119

■ 38.3685, 0.2923,
0.3119

339.1981, 0.3028,
0.3208

■ 26.2688, 0.2896,
0.3096

■ 72.6726, 0.2962,
0.3152

■ 17.0249, 0.2860,
0.3066

■ 95.6458, 0.2976,
0.3164

■ 10.2522, 0.2812,
0.3024

123.0123, 0.2988,
0.3174

■ 5.5665, 0.2743,
0.2965

155.1565, 0.2999,
0.3183

■ 2.5833, 0.2635,
0.2871

192.4628, 0.3007,
0.3190

■ 0.9183, 0.2444,
0.2702

235.3156, 0.3015,

■ 0.0000, 0.0000,

0.3197

0.0000

284.0992, 0.3022,
0.3202

■ 38.3685, 0.2923,
0.3119

■ 38.3685, 0.2923,
0.3119

■ 33.4881, 0.2763,
0.2974

■ 43.7494, 0.3078,
0.3250

■ 29.0872, 0.2602,
0.2814

■ 49.6415, 0.3225,
0.3367

■ 25.1499, 0.2441,
0.2642

■ 56.0611, 0.3365,
0.3470

■ 21.6577, 0.2286,
0.2459

■ 63.0223, 0.3496,
0.3561

■ 18.5906, 0.2141,
0.2267

■ 70.5385, 0.3618,
0.3641

■ 15.9266, 0.2012,
0.2073

■ 76.8666, 0.3662,
0.3722

■ 13.6408, 0.1904,
0.1881

■ 81.7925, 0.3637,
0.3809

■ 11.7046, 0.1819,
0.1695

■ 86.9787, 0.3612,
0.3894

■ 10.5688, 0.1771,
0.1577

■ 92.4293, 0.3588,
0.3976

Harmonies

Analogous

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



38.3685, 0.2904, 0.3192



38.3685, 0.2923, 0.3119



38.3685, 0.2996, 0.3092

Triad

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



38.3685, 0.2923, 0.3119



38.3685, 0.3315, 0.3281



38.3685, 0.3146, 0.3472

Complementary

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



38.3685, 0.2923, 0.3119



40.1299, 0.3344, 0.3455

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.



38.3685, 0.3257, 0.3494



38.3685, 0.2923, 0.3119



38.3685, 0.3356, 0.3381

Square

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



38.3685, 0.2923, 0.3119



38.3685, 0.3222, 0.3186



38.3685, 0.3335, 0.3460



38.3685, 0.3031, 0.3398

Rectangle

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



38.3685, 0.2923, 0.3119



38.3685, 0.3067, 0.3103



38.3685, 0.3335, 0.3460



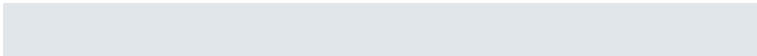
38.3685, 0.3185, 0.3485

Sweetspot

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



38.3701, 0.2923, 0.3119



78.5531, 0.3066, 0.3240



42.5426, 0.3018, 0.3460



16.8152, 0.3055, 0.3231



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.



38.3701, 0.2923, 0.3119



66.8552, 0.2876, 0.3077



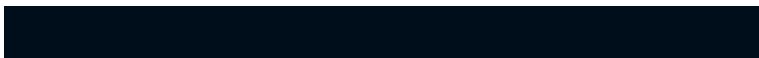
34.1603, 0.2918, 0.2945



8.9069, 0.2985, 0.3173



7.5109, 0.1777, 0.1598



0.3530, 0.1919, 0.2109

Inverse Universe

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



36.3225, 0.3253, 0.3127



62.5024, 0.3285, 0.3089



44.7471, 0.3323, 0.3613



8.5736, 0.3212, 0.3177



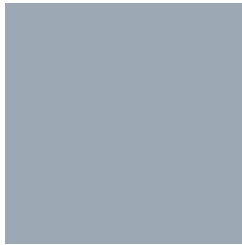
7.2984, 0.4934, 0.2492



0.2414, 0.4331, 0.2159

Previews

White Background



This preview shows how the Yxy color 38.3685, 0.2923, 0.3119 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 38.3685, 0.2923, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

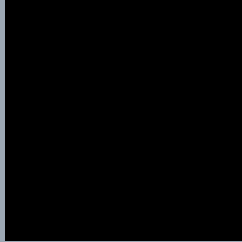
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

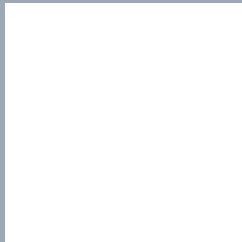
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3685, 0.2923, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 38.3685, 0.2923, 0.3119.

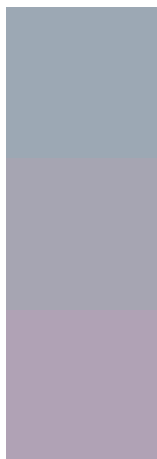


This preview shows how white text looks on a background with the Yxy color 38.3685, 0.2923, 0.3119.

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

38.3685, 0.2923, 0.3119

Protanopia

38.2316, 0.3026, 0.3109

Deuteranopia

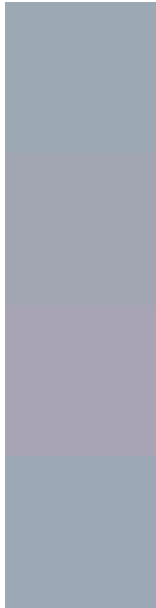
38.4070, 0.3093, 0.3033



Tritanopia

38.4094, 0.2915, 0.3105

Trichromacy



Original Color

38.3685, 0.2923, 0.3119

Protanomaly

38.2085, 0.2982, 0.3107

Deuteranomaly

38.3221, 0.3028, 0.3056

Tritanomaly

38.4094, 0.2915, 0.3105

Monochromacy



Original Color

38.3685, 0.2923, 0.3119

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.2591, 0.3048, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3685, 0.2923, 0.3119 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(156, 168, 180)` looks like.

```
.text, #text, p{  
    color:rgb(156, 168, 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(156, 168, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 168, 180) }
```

Border

The CSS property to change the border of an element to Yxy 38.3685, 0.2923, 0.3119 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(156, 168, 180) }
```

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

```
.border{ border-color:rgb(156, 168, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 168, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 168, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 168, 180);  
box-shadow:4px 4px 4px 4px rgb(156, 168,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3685, 0.2923, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 168, 180) }
```

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

```
.background{ background-color: rgb(156,  
168, 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](#).

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