

Converting Colors

$Y_{xy}(38.6896, 0.2793, 0.3033)$

Have a look what the booklet for
Yxy(38.6896, 0.2793, 0.3033)
contains.

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Color

Yxy(38.6762, 0.2797, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	94AABC
RGB	148, 170, 188
RGB Percent	58%, 67%, 74%
CMY	0.4196, 0.3333, 0.2627
CMYK	0.21, 0.10, 0.00, 0.26
HSL	207°, 23%, 66%
HSV	207°, 21%, 74%
XYZ	35.6668, 38.6762, 53.1750
YIQ	165.4740, -18.8900, 0.9340

Conversions

Conversions Part 2

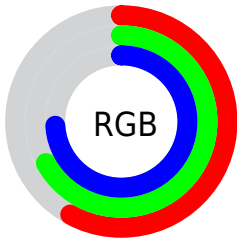
Format	Color
RYB	148, 162, 188
Decimal	9743036
CIELab	68.52, -3.65, -11.78
CIELCh	69, 12.334, 252.789
Yxy	38.6762, 0.2797, 0.3033
Android (android.graphics.Color)	4287933116 (0xFF94AABC)
YUV	165.4740, 11.1053, -15.3247
Hunter-Lab	62.1902, -6.4611, -7.1621

Details


The Yxy color **38.6762, 0.2797, 0.3033** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.1149, 0.3500, 0.3534**, and the grayscale version is **37.8203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0786, 0.2863, 0.3082**, and **17.2475, 0.2700, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **33.9911, 0.2638, 0.2893**, and if you desaturate by 10%, it is **43.8537, 0.2954, 0.3161**.

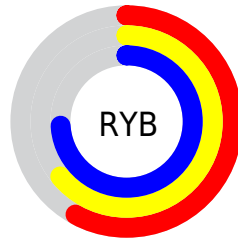
Distribution



 Red (58%)

 Green (67%)

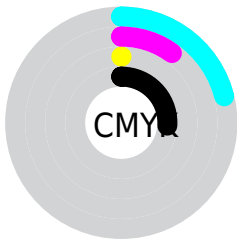
 Blue (74%)




 Red (58%)

 Yellow (64%)

 Blue (74%)

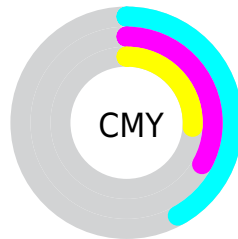



 Cyan (21%)

 Magenta (10%)

 Yellow (0%)

 Black (26%)



 Cyan (42%)

 Magenta (33%)

 Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6762, 0.2797, 0.3033 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 38.6762, 0.2797, 0.3033 by changing the saturation by 10% instead.

■ 38.6762, 0.2797,
0.3033

■ 38.6762, 0.2797,
0.3033

340.5119, 0.2966,
0.3166

■ 26.5079, 0.2754,
0.2998

■ 73.1434, 0.2859,
0.3082

■ 17.2040, 0.2698,
0.2953

■ 96.2111, 0.2882,
0.3101

■ 10.3801, 0.2622,
0.2891

123.6808, 0.2902,
0.3116

■ 5.6517, 0.2514,
0.2802

155.9367, 0.2918,
0.3129

■ 2.6344, 0.2350,
0.2664

193.3635, 0.2932,
0.3140

■ 0.9440, 0.2069,
0.2420

236.3453, 0.2945,

■ 0.0000, 0.0000,

0.3150

0.0000

285.2666, 0.2956,
0.3158

■ 38.6762, 0.2797,
0.3033

■ 38.6762, 0.2797,
0.3033

■ 33.9911, 0.2638,
0.2893

■ 43.8537, 0.2954,
0.3161

■ 29.7763, 0.2481,
0.2740

■ 49.5355, 0.3108,
0.3276

■ 26.0144, 0.2331,
0.2578

■ 55.7388, 0.3255,
0.3379

■ 22.6851, 0.2190,
0.2408

■ 62.4785, 0.3396,
0.3470

■ 19.7661, 0.2065,
0.2234

■ 69.7687, 0.3528,
0.3551

■ 17.2324, 0.1960,
0.2059

■ 76.5029, 0.3608,
0.3626

■ 15.0547, 0.1876,
0.1889

■ 81.0827, 0.3587,
0.3709

■ 13.4013, 0.1818,
0.1745

■ 85.8911, 0.3566,
0.3790

■ 90.9314, 0.3546,
0.3869

Harmonies

Analogous

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



38.6762, 0.2781, 0.3156



38.6762, 0.2797, 0.3033



38.6762, 0.2899, 0.2982

Triad

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



38.6762, 0.2797, 0.3033



38.6762, 0.3406, 0.3250



38.6762, 0.3183, 0.3591

Complementary

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



38.6762, 0.2797, 0.3033



40.1149, 0.3500, 0.3534

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.



38.6762, 0.3355, 0.3610



38.6762, 0.2797, 0.3033



38.6762, 0.3486, 0.3408

Square

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



38.6762, 0.2797, 0.3033



38.6762, 0.3249, 0.3107



38.6762, 0.3467, 0.3540



38.6762, 0.3000, 0.3484

Rectangle

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



38.6762, 0.2797, 0.3033



38.6762, 0.3003, 0.2992



38.6762, 0.3467, 0.3540



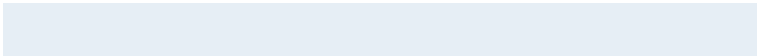
38.6762, 0.3244, 0.3608

Sweetspot

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



38.6778, 0.2797, 0.3033



84.6788, 0.3035, 0.3222



45.0264, 0.2969, 0.3604



18.0660, 0.3025, 0.3215



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.6778, 0.2797, 0.3033



65.6038, 0.2715, 0.2962



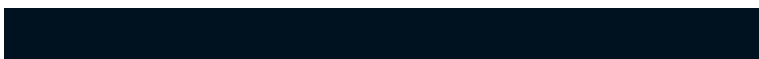
31.7425, 0.2777, 0.2737



10.0711, 0.2984, 0.3184



9.2721, 0.1824, 0.1765



0.4921, 0.1935, 0.2166

Inverse Universe

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



34.7778, 0.3325, 0.2996



57.4510, 0.3384, 0.2922



47.9599, 0.3448, 0.3789



9.6218, 0.3205, 0.3165



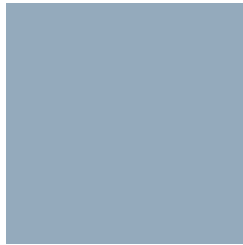
7.9657, 0.4727, 0.2378



0.3250, 0.4269, 0.2126

Previews

White Background



This preview shows how the Yxy color 38.6762, 0.2797, 0.3033 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 38.6762, 0.2797, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

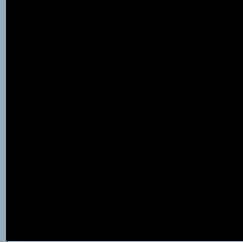
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

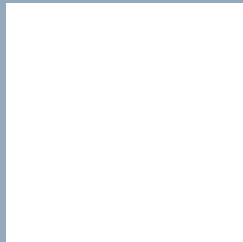
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6762, 0.2797, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 38.6762, 0.2797, 0.3033.



This preview shows how white text looks on a background with the Yxy color 38.6762, 0.2797, 0.3033.

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

38.6762, 0.2797, 0.3033

Protanopia

38.6677, 0.2951, 0.3027

Deuteranopia

38.6827, 0.2981, 0.2926



Tritanopia

38.7896, 0.2819, 0.3103

Trichromacy



Original Color

38.6762, 0.2797, 0.3033

Protanomaly

38.4517, 0.2892, 0.3024

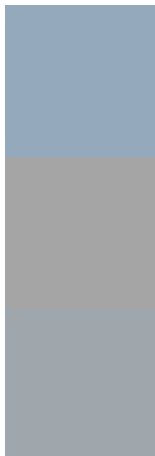
Deuteranomaly

38.7331, 0.2911, 0.2973

Tritanomaly

38.8316, 0.2812, 0.3089

Monochromacy



Original Color

38.6762, 0.2797, 0.3033

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.0255, 0.3005, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6762, 0.2797, 0.3033 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(148, 170, 188)` looks like.

```
.text, #text, p{  
    color:rgb(148, 170, 188)  
}
```

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(148, 170, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 170, 188) }
```

Border

The CSS property to change the border of an element to Yxy 38.6762, 0.2797, 0.3033 is called "border". The border property can be set on classes, ids or directly on the HTML element.

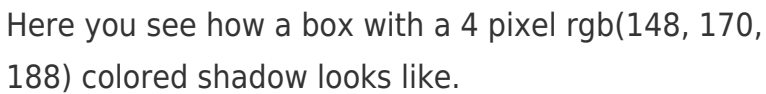
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 170, 188) }
```

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

```
.border{ border-color:rgb(148, 170, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(148, 170, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 170, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 170, 188); box-shadow:4px 4px 4px 4px rgb(148, 170, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6762, 0.2797, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 170, 188) }
```

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

```
.background{ background-color: rgb(148,  
170, 188) }
```

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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