

Converting Colors

$Y_{xy}(38.8251, 0.2933, 0.3706)$

Have a look what the booklet for
Yxy(38.8251, 0.2933, 0.3706)
contains.

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Color

Yxy(38.8210, 0.2934, 0.3708)

Conversions

Conversions Part 1

Format	Color
Hex	82B297
RGB	130, 178, 151
RGB Percent	51%, 70%, 59%
CMY	0.4900, 0.3020, 0.4078
CMYK	0.27, 0.00, 0.15, 0.30
HSL	146°, 24%, 60%
HSV	146°, 27%, 70%
XYZ	30.7176, 38.8210, 35.1567
YIQ	160.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

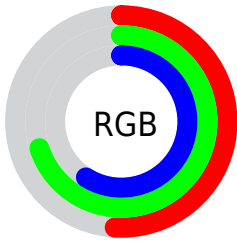
Format	Color
RYB	130, 163, 178
Decimal	8565399
CIELab	68.62, -21.62, 8.69
CIElCh	69, 23.303, 158.102
Yxy	38.8210, 0.2934, 0.3708
Android (android.graphics.Color)	4286755479 (0xFF82B297)
YUV	160.5700, -4.7180, -26.8099
Hunter-Lab	62.3065, -21.0345, 10.1600

Details

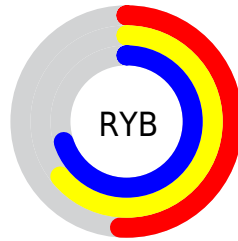
The Yxy color **38.8210, 0.2934, 0.3708** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.8762, 0.3382, 0.2907**, and the grayscale version is **35.4648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4438, 0.2975, 0.3628**, and **17.2496, 0.2869, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **37.2223, 0.2870, 0.3894**, and if you desaturate by 10%, it is **40.6940, 0.3003, 0.3539**.

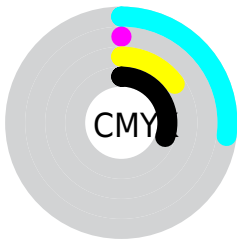
Distribution



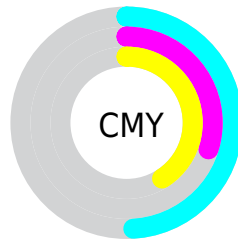
- Red (51%)
- Green (70%)
- Blue (59%)



- Red (51%)
- Yellow (64%)
- Blue (70%)



- Cyan (27%)
- Magenta (0%)
- Yellow (15%)
- Black (30%)





- Cyan (49%)
- Magenta (30%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8210, 0.2934, 0.3708 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 38.8210, 0.2934, 0.3708 by changing the saturation by 10% instead.


 38.8210, 0.2934,
0.3708


 38.8210, 0.2934,
0.3708


341.1289, 0.3036,
0.3487


 26.6205, 0.2906,
0.3768


 73.3648, 0.2973,
0.3624

 17.2884, 0.2870,
0.3847


 96.4769, 0.2987,
0.3594

 10.4403, 0.2818,
0.3958


 123.9949, 0.2999,
0.3569

 5.6919, 0.2741,
0.4124

156.3034, 0.3008,
0.3547

 2.6586, 0.2614,
0.4399

193.7866, 0.3017,
0.3529

 0.9562, 0.2147,
0.5411

236.8290, 0.3024,

 0.0000, 0.0000,

0.3513

0.0000

285.8149, 0.3031,
0.3499

■ 38.8210, 0.2934,
0.3708

■ 38.8210, 0.2934,
0.3708

■ 37.2223, 0.2870,
0.3894

■ 40.6940, 0.3003,
0.3539

■ 35.8800, 0.2815,
0.4094

■ 42.8489, 0.3076,
0.3386

■ 34.7813, 0.2773,
0.4305

■ 45.2988, 0.3150,
0.3250

■ 33.9103, 0.2745,
0.4523

■ 48.0545, 0.3223,
0.3130

■ 33.2493, 0.2735,
0.4741

■ 51.1263, 0.3294,
0.3024

■ 32.7776, 0.2744,
0.4952

■ 54.5241, 0.3363,
0.2931

■ 32.4664, 0.2771,
0.5150

■ 58.2573, 0.3429,
0.2850

■ 32.3864, 0.2780,
0.5208

■ 58.8761, 0.3349,
0.2754

■ 59.4588, 0.3269,
0.2661

Harmonies

Analogous

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



38.8210, 0.3278, 0.3891



38.8210, 0.2934, 0.3708



38.8210, 0.2653, 0.3395

Triad

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



38.8210, 0.2934, 0.3708



38.8210, 0.2662, 0.2726



38.8210, 0.3799, 0.3450

Complementary

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



38.8210, 0.2934, 0.3708



27.8762, 0.3382, 0.2907

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.



38.8210, 0.3616, 0.3165



38.8210, 0.2934, 0.3708



38.8210, 0.2948, 0.2762

Square

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



38.8210, 0.2934, 0.3708



38.8210, 0.2503, 0.2831



38.8210, 0.3298, 0.2920



38.8210, 0.3788, 0.3713

Rectangle

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



38.8210, 0.2934, 0.3708



38.8210, 0.2534, 0.3172



38.8210, 0.3298, 0.2920



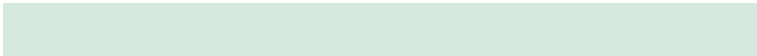
38.8210, 0.3758, 0.3354

Sweetspot

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



38.8226, 0.2934, 0.3708



77.2130, 0.3067, 0.3404



40.6413, 0.3332, 0.3995



16.9716, 0.3056, 0.3426



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.



38.8226, 0.2934, 0.3708



68.7189, 0.2897, 0.3810



39.6751, 0.2763, 0.3337



9.5498, 0.3059, 0.3421



23.1866, 0.2774, 0.5187



0.7413, 0.2618, 0.4624

Inverse Universe

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



27.8762, 0.3382, 0.2907



45.6981, 0.3452, 0.2824



27.1410, 0.3658, 0.3245



8.5827, 0.3202, 0.3163



7.4457, 0.4668, 0.2345



0.2457, 0.4159, 0.2065

Previews

White Background



This preview shows how the Yxy color 38.8210, 0.2934, 0.3708 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 38.8210, 0.2934, 0.3708 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 38.8210, 0.2934, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 38.8210, 0.2934, 0.3708.



This preview shows how white text looks on a background with the Yxy color 38.8210, 0.2934, 0.3708.

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

38.8210, 0.2934, 0.3708

Protanopia

38.4307, 0.3400, 0.3587

Deuteranopia

38.4211, 0.3436, 0.3372



Tritanopia

38.7934, 0.2723, 0.3086

Trichromacy



Original Color

38.8210, 0.2934, 0.3708

Protanomaly

38.2270, 0.3221, 0.3628

Deuteranomaly

38.0775, 0.3230, 0.3477

Tritanomaly

38.7843, 0.2794, 0.3304

Monochromacy



Original Color

38.8210, 0.2934, 0.3708

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.5558, 0.3056, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8210, 0.2934, 0.3708 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(130, 178, 151)` looks like.

```
.text, #text, p{  
    color:rgb(130, 178, 151)  
}
```

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(130, 178, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 178, 151) }
```

Border

The CSS property to change the border of an element to Yxy 38.8210, 0.2934, 0.3708 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(130, 178, 151) }
```

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

```
.border{ border-color:rgb(130, 178, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 178, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 178, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 178, 151);  
box-shadow:4px 4px 4px 4px rgb(130, 178,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8210, 0.2934, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 178, 151) }
```

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

```
.background{ background-color: rgb(130,  
178, 151) }
```

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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