

Converting Colors

$Yxy(38.0660, 0.2932, 0.3962)$

Have a look what the booklet for
Yxy(38.0660, 0.2932, 0.3962)
contains.

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Color

Yxy(37.8571, 0.2928, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	75B38A
RGB	117, 179, 138
RGB Percent	46%, 70%, 54%
CMY	0.5413, 0.2980, 0.4589
CMYK	0.35, 0.00, 0.23, 0.30
HSL	140°, 29%, 58%
HSV	140°, 35%, 70%
XYZ	28.0409, 37.8571, 29.8700
YIQ	155.7880, -23.7910, -25.8950

Conversions

Conversions Part 2

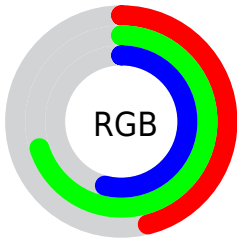
Format	Color
RYB	117, 163, 179
Decimal	7713674
CIELab	67.92, -28.85, 14.73
CIELCh	68, 32.391, 152.955
Yxy	37.8571, 0.2928, 0.3953
Android (android.graphics.Color)	4285903754 (0xFF75B38A)
YUV	155.7880, -8.7695, -34.0171
Hunter-Lab	61.5281, -26.3245, 14.2862

Details

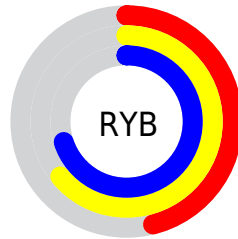
The Yxy color **37.8571, 0.2928, 0.3953** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **24.7710, 0.3406, 0.2711**, and the grayscale version is **33.1925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8804, 0.2969, 0.3809**, and **16.7501, 0.2849, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **36.4109, 0.2881, 0.4187**, and if you desaturate by 10%, it is **39.5809, 0.2982, 0.3737**.

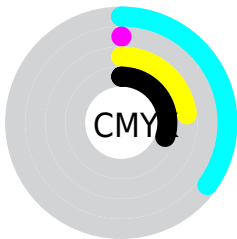
Distribution



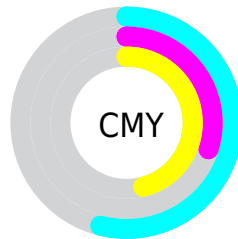
- Red (46%)
- Green (70%)
- Blue (54%)



- Red (46%)
- Yellow (64%)
- Blue (70%)



- Cyan (35%)
- Magenta (0%)
- Yellow (23%)
- Black (30%)





- Cyan (54%)
- Magenta (30%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8571, 0.2928, 0.3953 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 37.8571, 0.2928, 0.3953 by changing the saturation by 10% instead.


 37.8571, 0.2928,
0.3953

 37.8571, 0.2928,
0.3953


337.0066, 0.3038,
0.3596


 25.8718, 0.2897,
0.4051


 71.8891, 0.2971,
0.3817

 16.7278, 0.2854,
0.4184


 94.7045, 0.2986,
0.3767

 10.0406, 0.2792,
0.4371


 121.8988, 0.2998,
0.3727

 5.4259, 0.2695,
0.4656

153.8563, 0.3009,
0.3692

 2.4992, 0.2524,
0.5135

190.9614, 0.3018,
0.3663

 0.8763, 0.1280,
0.8720


233.5986, 0.3026,


 0.0000, 0.0000,


0.3637


0.0000


282.1522, 0.3032,
0.3615


 37.8571, 0.2928,
0.3953


 37.8571, 0.2928,
0.3953

 36.4109, 0.2881,
0.4187


 39.5809, 0.2982,
0.3737


 35.2228, 0.2843,
0.4434


 41.5912, 0.3040,
0.3540

 34.2782, 0.2819,
0.4688


 43.9023, 0.3099,
0.3365

 33.5591, 0.2810,
0.4939

 46.5261, 0.3159,
0.3209

 33.0447, 0.2819,
0.5177

 49.4739, 0.3217,
0.3072

 32.7101, 0.2844,
0.5391

 52.7564, 0.3274,
0.2953

 32.5765, 0.2860,
0.5495

 56.3837, 0.3327,
0.2848

 59.3688, 0.3336,
0.2750

 60.0670, 0.3242,
0.2640

Harmonies

Analogous

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



37.8571, 0.3407, 0.4164



37.8571, 0.2928, 0.3953



37.8571, 0.2523, 0.3515

Triad

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



37.8571, 0.2928, 0.3953



37.8571, 0.2435, 0.2526



37.8571, 0.4047, 0.3426

Complementary

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



37.8571, 0.2928, 0.3953



24.7710, 0.3406, 0.2711

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.



37.8571, 0.3746, 0.3048



37.8571, 0.2928, 0.3953



37.8571, 0.2796, 0.2550

Square

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



37.8571, 0.2928, 0.3953



37.8571, 0.2257, 0.2690



37.8571, 0.3276, 0.2738



37.8571, 0.4073, 0.3802

Rectangle

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



37.8571, 0.2928, 0.3953



37.8571, 0.2343, 0.3191



37.8571, 0.3276, 0.2738



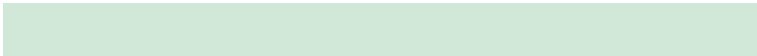
37.8571, 0.3974, 0.3297

Sweetspot

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



37.8587, 0.2928, 0.3953



76.2685, 0.3066, 0.3459



40.8301, 0.3444, 0.4198



16.7720, 0.3058, 0.3484



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.



37.8587, 0.2928, 0.3953



65.6706, 0.2889, 0.4140



38.8761, 0.2713, 0.3449



9.5360, 0.3071, 0.3444



23.0288, 0.2854, 0.5473



0.7358, 0.2687, 0.4872

Inverse Universe

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



24.7710, 0.3406, 0.2711



38.5028, 0.3494, 0.2576



23.8431, 0.3794, 0.3141



8.5968, 0.3187, 0.3141



7.7153, 0.4276, 0.2129



0.2531, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 37.8571, 0.2928, 0.3953 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 37.8571, 0.2928, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

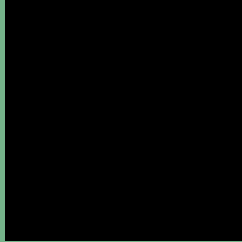
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8571, 0.2928, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 37.8571, 0.2928, 0.3953.



This preview shows how white text looks on a background with the Yxy color 37.8571, 0.2928, 0.3953.

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

37.8571, 0.2928, 0.3953

Protanopia

37.3036, 0.3534, 0.3761

Deuteranopia

37.5681, 0.3588, 0.3522



Tritanopia

37.9443, 0.2656, 0.3096

Trichromacy



Original Color

37.8571, 0.2928, 0.3953

Protanomaly

36.9672, 0.3287, 0.3819

Deuteranomaly

36.9821, 0.3318, 0.3658

Tritanomaly

37.7355, 0.2747, 0.3381

Monochromacy



Original Color

37.8571, 0.2928, 0.3953

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.4716, 0.3051, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8571, 0.2928, 0.3953 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(117, 179, 138)` looks like.

```
.text, #text, p{  
    color:rgb(117, 179, 138)  
}
```

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(117, 179, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 179, 138) }
```

Border

The CSS property to change the border of an element to Yxy 37.8571, 0.2928, 0.3953 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(117, 179, 138) }
```

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

```
.border{ border-color:rgb(117, 179, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 179, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 179, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 179, 138); box-shadow:4px 4px 4px 4px rgb(117, 179, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8571, 0.2928, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 179, 138) }
```

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

```
.background{ background-color: rgb(117,  
179, 138) }
```

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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