

Converting Colors

$Yxy(37.4014, 0.2869, 0.3857)$

Have a look what the booklet for
Yxy(37.4014, 0.2869, 0.3857)
contains.

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Color

Yxy(37.4014, 0.2869, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	72B28F
RGB	114, 178, 143
RGB Percent	45%, 70%, 56%
CMY	0.5529, 0.3020, 0.4391
CMYK	0.36, 0.00, 0.20, 0.30
HSL	147°, 29%, 57%
HSV	147°, 36%, 70%
XYZ	27.8207, 37.4014, 31.7480
YIQ	154.8740, -26.9090, -24.4530

Conversions

Conversions Part 2

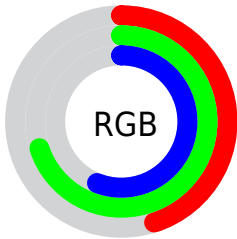
Format	Color
RYB	114, 158, 178
Decimal	7516815
CIELab	67.58, -28.26, 11.48
CIELCh	68, 30.506, 157.901
Yxy	37.4014, 0.2869, 0.3857
Android (android.graphics.Color)	4285706895 (0xFF72B28F)
YUV	154.8740, -5.8539, -35.8465
Hunter-Lab	61.1567, -25.8229, 12.0307

Details

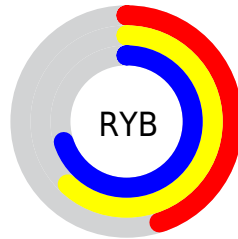
The Yxy color **37.4014, 0.2869, 0.3857** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **23.6735, 0.3510, 0.2788**, and the grayscale version is **32.7581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2017, 0.2921, 0.3738**, and **16.4817, 0.2774, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **36.0406, 0.2811, 0.4050**, and if you desaturate by 10%, it is **39.0231, 0.2935, 0.3679**.

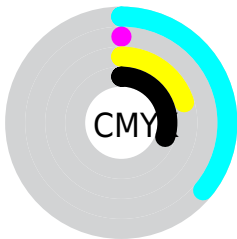
Distribution



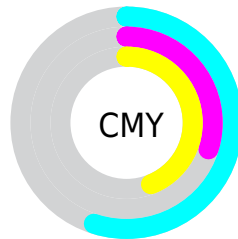
- Red (45%)
- Green (70%)
- Blue (56%)



- Red (45%)
- Yellow (62%)
- Blue (70%)



- Cyan (36%)
- Magenta (0%)
- Yellow (20%)
- Black (30%)





- Cyan (55%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4014, 0.2869, 0.3857 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 37.4014, 0.2869, 0.3857 by changing the saturation by 10% instead.

 37.4014, 0.2869,
0.3857


 37.4014, 0.2869,
0.3857


335.0451, 0.3008,
0.3552

 25.5184, 0.2831,
0.3941


 71.1897, 0.2922,
0.3741

 16.4637, 0.2779,
0.4053


 93.8638, 0.2941,
0.3699

 9.8529, 0.2706,
0.4213

 120.9038, 0.2957,
0.3664

 5.3015, 0.2596,
0.4454

152.6940, 0.2970,
0.3635

 2.4252, 0.2408,
0.4863

189.6189, 0.2982,
0.3610

 0.8388, 0.1015,
0.7935

232.0627, 0.2992,

 0.0000, 0.0000,

0.3588

0.0000

280.4100, 0.3000,
0.3569

■ 37.4014, 0.2869,
0.3857

■ 37.4014, 0.2869,
0.3857

■ 36.0406, 0.2811,
0.4050

■ 39.0231, 0.2935,
0.3679

■ 34.9220, 0.2766,
0.4254

■ 40.9142, 0.3007,
0.3516

■ 34.0315, 0.2735,
0.4465


■ 43.0884, 0.3082,
0.3369


■ 33.3516, 0.2723,
0.4678


■ 45.5570, 0.3158,
0.3239


■ 32.8621, 0.2729,
0.4885


■ 48.3309, 0.3233,
0.3123

 32.5371, 0.2754,
0.5080

 51.4203, 0.3307,
0.3022

 32.4299, 0.2766,
0.5157

 54.8348, 0.3378,
0.2933

 58.3138, 0.3435,
0.2853

 58.8473, 0.3354,
0.2759

Harmonies

Analogous

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



37.4014, 0.3320, 0.4100



37.4014, 0.2869, 0.3857



37.4014, 0.2505, 0.3428

Triad

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



37.4014, 0.2869, 0.3857



37.4014, 0.2516, 0.2557



37.4014, 0.4020, 0.3483

Complementary

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



37.4014, 0.2869, 0.3857



23.6735, 0.3510, 0.2788

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.



37.4014, 0.3774, 0.3118



37.4014, 0.2869, 0.3857



37.4014, 0.2884, 0.2606

Square

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



37.4014, 0.2869, 0.3857



37.4014, 0.2315, 0.2684



37.4014, 0.3347, 0.2807



37.4014, 0.4001, 0.3832

Rectangle

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



37.4014, 0.2869, 0.3857



37.4014, 0.2353, 0.3127



37.4014, 0.3347, 0.2807



37.4014, 0.3965, 0.3360

Sweetspot

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



37.4029, 0.2869, 0.3857



76.0054, 0.3042, 0.3444



39.4649, 0.3385, 0.4255



16.7237, 0.3032, 0.3464



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.



37.4029, 0.2869, 0.3857



65.8630, 0.2823, 0.4006



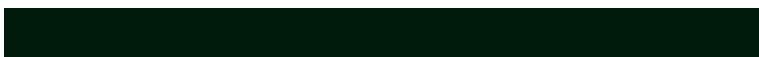
38.5064, 0.2651, 0.3338



9.5520, 0.3056, 0.3417



23.2166, 0.2760, 0.5136



0.7423, 0.2607, 0.4584

Inverse Universe

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



23.6735, 0.3510, 0.2788



37.3196, 0.3628, 0.2679



22.7932, 0.3930, 0.3245



8.5804, 0.3205, 0.3166



7.4068, 0.4735, 0.2382



0.2446, 0.4202, 0.2088

Previews

White Background



This preview shows how the Yxy color 37.4014, 0.2869, 0.3857 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 37.4014, 0.2869, 0.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

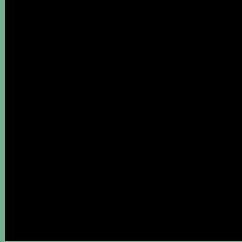
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4014, 0.2869, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 37.4014, 0.2869, 0.3857.



This preview shows how white text looks on a background with the Yxy color 37.4014, 0.2869, 0.3857.

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

37.4014, 0.2869, 0.3857

Protanopia

36.8562, 0.3470, 0.3678

Deuteranopia

36.9994, 0.3511, 0.3442



Tritanopia

37.2612, 0.2626, 0.3079

Trichromacy



Original Color

37.4014, 0.2869, 0.3857

Protanomaly

36.5447, 0.3227, 0.3730

Deuteranomaly

36.4592, 0.3246, 0.3571

Tritanomaly

37.1675, 0.2717, 0.3351

Monochromacy



Original Color

37.4014, 0.2869, 0.3857

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0042, 0.3017, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4014, 0.2869, 0.3857 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(114, 178, 143)` looks like.

```
.text, #text, p{  
    color:rgb(114, 178, 143)  
}
```

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(114, 178, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 178, 143) }
```

Border

The CSS property to change the border of an element to Yxy 37.4014, 0.2869, 0.3857 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(114, 178, 143) }
```

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

```
.border{ border-color:rgb(114, 178, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 178, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 178, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 178, 143);  
box-shadow:4px 4px 4px 4px rgb(114, 178,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4014, 0.2869, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 178, 143) }
```

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

```
.background{ background-color: rgb(114,  
178, 143) }
```

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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