

Converting Colors

$Y_{xy}(10.8957, 0.3118, 0.3824)$

Have a look what the booklet for
Yxy(10.8957, 0.3118, 0.3824)
contains.

Yxy(10.8909, 0.3116, 0.3835)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.8909, 0.3116, 0.3835)

Conversions

Conversions Part 1

Format	Color
Hex	4E624D
RGB	78, 98, 77
RGB Percent	31%, 38%, 30%
CMY	0.6941, 0.6157, 0.6980
CMYK	0.20, 0.00, 0.21, 0.62
HSL	117°, 12%, 34%
HSV	117°, 21%, 38%
XYZ	8.8490, 10.8909, 8.6588
YIQ	89.6260, -5.1790, -10.7710

Conversions

Conversions Part 2

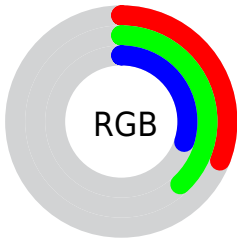
Format	Color
RYB	77, 98, 97
Decimal	5136973
CIELab	39.40, -12.16, 9.50
CIELCh	39, 15.435, 141.990
Yxy	10.8909, 0.3116, 0.3835
Android (android.graphics.Color)	4283327053 (0xFF4E624D)
YUV	89.6260, -6.2246, -10.1960
Hunter-Lab	33.0014, -9.8891, 7.5447

Details

The Yxy color **10.8909, 0.3116, 0.3835** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.7336, 0.3133, 0.2795**, and the grayscale version is **10.1515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5133, 0.3119, 0.3688**, and **2.8008, 0.3087, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **10.3963, 0.3108, 0.4133**, and if you desaturate by 10%, it is **11.4634, 0.3122, 0.3564**.

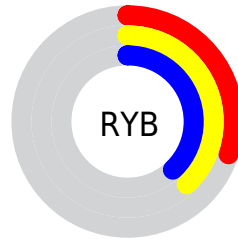
Distribution



Red (31%)

Green (38%)

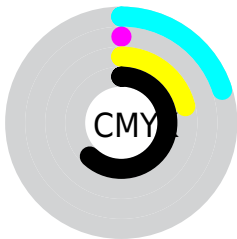
Blue (30%)



Red (30%)

Yellow (38%)

Blue (38%)

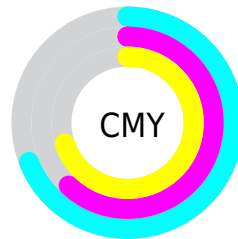


Cyan (20%)

Magenta (0%)

Yellow (21%)

Black (62%)



Cyan (69%)

Magenta (62%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8909, 0.3116, 0.3835 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 10.8909, 0.3116, 0.3835 by changing the saturation by 10% instead.

10.8909, 0.3116,
0.3835

10.8909, 0.3116,
0.3835

196.9175, 0.3127,
0.3489

5.9935, 0.3108,
0.3964

27.4582, 0.3123,
0.3684

2.8411, 0.3092,
0.4174

39.8970, 0.3124,
0.3636

1.0494, 0.3131,
0.4750

55.6183, 0.3125,
0.3598

0.0000, 0.0000,
0.0000

75.0066, 0.3126,
0.3568

98.4463, 0.3126,
0.3543

126.3218, 0.3127,

0.3522

159.0174, 0.3127,
0.3505

■ 10.8909, 0.3116,
0.3835

■ 10.8909, 0.3116,
0.3835

■ 10.3963, 0.3108,
0.4133

■ 11.4634, 0.3122,
0.3564

■ 9.9748, 0.3098,
0.4453

■ 12.1154, 0.3127,
0.3322

■ 9.6235, 0.3086,
0.4784

■ 12.8504, 0.3130,
0.3109

■ 9.3385, 0.3072,
0.5109

■ 13.6710, 0.3132,
0.2923

■ 9.1156, 0.3056,
0.5408

■ 14.5800, 0.3133,
0.2761

■ 8.9503, 0.3041,
0.5660

■ 15.5799, 0.3134,
0.2620

■ 8.8370, 0.3026,
0.5846

■ 16.6730, 0.3134,
0.2498

■ 8.7656, 0.3021,
0.5983

■ 17.8618, 0.3134,
0.2392

■ 19.1484, 0.3134,
0.2300

Harmonies

Analogous

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



10.8909, 0.3460, 0.3918



10.8909, 0.3116, 0.3835



10.8909, 0.2787, 0.3576

Triad

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



10.8909, 0.3116, 0.3835



10.8909, 0.2552, 0.2759



10.8909, 0.3730, 0.3295

Complementary

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



10.8909, 0.3116, 0.3835



8.7336, 0.3133, 0.2795

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.



10.8909, 0.3460, 0.3022



10.8909, 0.3116, 0.3835



10.8909, 0.2778, 0.2720

Square

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



10.8909, 0.3116, 0.3835



10.8909, 0.2474, 0.2940



10.8909, 0.3107, 0.2816



10.8909, 0.3827, 0.3581

Rectangle

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



10.8909, 0.3116, 0.3835



10.8909, 0.2619, 0.3352



10.8909, 0.3107, 0.2816



10.8909, 0.3655, 0.3200

Sweetspot

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



10.8914, 0.3116, 0.3835



20.6686, 0.3125, 0.3433



11.6736, 0.3431, 0.3761



4.9025, 0.3124, 0.3443



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.8914, 0.3116, 0.3835



18.6042, 0.3112, 0.3992



10.9934, 0.2977, 0.3585



2.8616, 0.3123, 0.3499



11.6665, 0.3018, 0.5986



62.2164, 0.3007, 0.5994

Inverse Universe

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



8.7336, 0.3133, 0.2795



14.0447, 0.3134, 0.2669



8.6199, 0.3312, 0.3012



2.6230, 0.3130, 0.3089



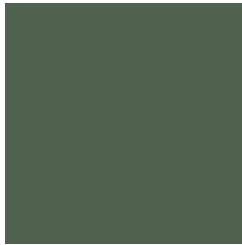
4.2965, 0.3097, 0.1480



22.8441, 0.3090, 0.1476

Previews

White Background



This preview shows how the Yxy color 10.8909, 0.3116, 0.3835 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 10.8909, 0.3116, 0.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

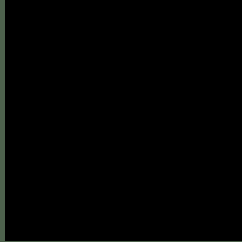
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8909, 0.3116, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 10.8909, 0.3116, 0.3835.

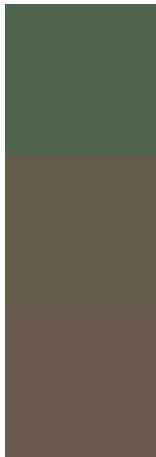


This preview shows how white text looks on a background with the Yxy color 10.8909, 0.3116, 0.3835.

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

10.8909, 0.3116, 0.3835

Protanopia

10.7454, 0.3499, 0.3723

Deuteranopia

10.7734, 0.3571, 0.3521



Tritanopia

10.9376, 0.2843, 0.3119

Trichromacy



Original Color

10.8909, 0.3116, 0.3835

Protanomaly

10.7376, 0.3358, 0.3761

Deuteranomaly

10.6911, 0.3403, 0.3629

Tritanomaly

10.9054, 0.2947, 0.3364

Monochromacy



Original Color

10.8909, 0.3116, 0.3835

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.4630, 0.3133, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8909, 0.3116, 0.3835 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(78, 98, 77)` looks like.

```
.text, #text, p{  
    color:rgb(78, 98, 77)  
}
```

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(78, 98, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 98, 77) }
```

Border

The CSS property to change the border of an element to Yxy 10.8909, 0.3116, 0.3835 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(78, 98, 77) }
```

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

```
.border{ border-color:rgb(78, 98, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 98, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 98, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 98, 77);  
box-shadow:4px 4px 4px 4px rgb(78, 98, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8909, 0.3116, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 98, 77) }
```

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

```
.background{ background-color: rgb(78, 98,  
77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor