

Converting Colors

$Yxy(37.0911, 0.3283, 0.3956)$

Have a look what the booklet for
Yxy(37.0911, 0.3283, 0.3956)
contains.

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Color

Yxy(36.9802, 0.3277, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	94AB80
RGB	148, 171, 128
RGB Percent	58%, 67%, 50%
CMY	0.4196, 0.3294, 0.4980
CMYK	0.13, 0.00, 0.25, 0.33
HSL	92°, 20%, 59%
HSV	92°, 25%, 67%
XYZ	30.6718, 36.9802, 25.9451
YIQ	159.2210, 0.0950, -18.2490

Conversions

Conversions Part 2

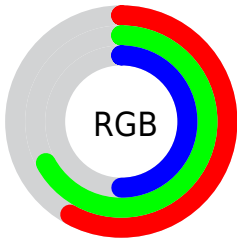
Format	Color
RYB	128, 171, 151
Decimal	9743232
CIELab	67.26, -15.93, 19.56
CIElCh	67, 25.231, 129.163
Yxy	36.9802, 0.3277, 0.3951
Android (android.graphics.Color)	4287933312 (0xFF94AB80)
YUV	159.2210, -15.3920, -9.8408
Hunter-Lab	60.8113, -16.3888, 17.2719

Details

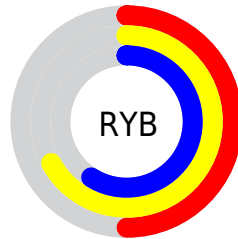
The Yxy color **36.9802, 0.3277, 0.3951** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.9611, 0.2940, 0.2636**, and the grayscale version is **34.8498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2855, 0.3250, 0.3814**, and **16.2996, 0.3309, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **35.7489, 0.3330, 0.4244**, and if you desaturate by 10%, it is **38.3580, 0.3219, 0.3673**.

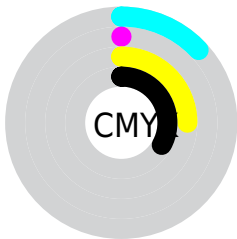
Distribution



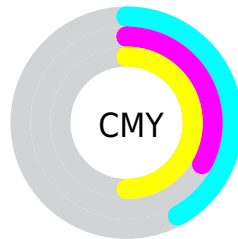
- Red (58%)
- Green (67%)
- Blue (50%)



- Red (50%)
- Yellow (67%)
- Blue (59%)



- Cyan (13%)
- Magenta (0%)
- Yellow (25%)
- Black (33%)




- Cyan (42%)
- Magenta (33%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9802, 0.3277, 0.3951 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 36.9802, 0.3277, 0.3951 by changing the saturation by 10% instead.


 36.9802, 0.3277,
0.3951


 36.9802, 0.3277,
0.3951


333.2248, 0.3205,
0.3598


 25.1922, 0.3293,
0.4047


 70.5423, 0.3252,
0.3817

 16.2203, 0.3313,
0.4175

 93.0852, 0.3242,
0.3768

 9.6802, 0.3335,
0.4354


 119.9818, 0.3234,
0.3728

 5.1874, 0.3359,
0.4621

151.6166, 0.3227,
0.3694

 2.3576, 0.3388,
0.5076

188.3739, 0.3220,
0.3665

 0.8040, 0.3182,
0.6818

230.6381, 0.3215,

 0.0000, 0.0000,

0.3639

0.0000

278.7936, 0.3210,
0.3617

■ 36.9802, 0.3277,
0.3951

■ 36.9802, 0.3277,
0.3951

■ 35.7489, 0.3330,
0.4244

■ 38.3580, 0.3219,
0.3673

■ 34.6541, 0.3374,
0.4544

■ 39.8826, 0.3158,
0.3414

■ 33.6915, 0.3406,
0.4839

■ 41.5604, 0.3098,
0.3178

■ 32.8549, 0.3421,
0.5115

■ 43.3959, 0.3039,
0.2965

■ 32.1375, 0.3417,
0.5357

■ 45.3933, 0.2983,
0.2773

■ 31.5317, 0.3391,
0.5550

■ 47.5570, 0.2929,
0.2602

■ 31.0281, 0.3347,
0.5688

■ 49.8908, 0.2879,
0.2450

■ 30.8115, 0.3324,
0.5743

■ 51.7506, 0.2899,
0.2401

■ 53.2279, 0.2971,
0.2419

Harmonies

Analogous

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



36.9802, 0.3627, 0.3947



36.9802, 0.3277, 0.3951



36.9802, 0.2901, 0.3742

Triad

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



36.9802, 0.3277, 0.3951



36.9802, 0.2448, 0.2778



36.9802, 0.3676, 0.3162

Complementary

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



36.9802, 0.3277, 0.3951



24.9611, 0.2940, 0.2636

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.



36.9802, 0.3328, 0.2893



36.9802, 0.3277, 0.3951



36.9802, 0.2626, 0.2672

Square

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



36.9802, 0.3277, 0.3951



36.9802, 0.2437, 0.3034



36.9802, 0.2942, 0.2717



36.9802, 0.3870, 0.3473

Rectangle

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



36.9802, 0.3277, 0.3951



36.9802, 0.2685, 0.3516



36.9802, 0.2942, 0.2717



36.9802, 0.3572, 0.3065

Sweetspot

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



36.9818, 0.3277, 0.3951



70.5771, 0.3177, 0.3490



32.3306, 0.3564, 0.3630



15.6479, 0.3186, 0.3527



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.9818, 0.3277, 0.3951



65.0084, 0.3306, 0.4107



35.3139, 0.3083, 0.3965



9.1150, 0.3184, 0.3520



23.2568, 0.3331, 0.5738



0.6797, 0.3579, 0.5540

Inverse Universe

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



24.9611, 0.2940, 0.2636



39.8712, 0.2890, 0.2484



26.9845, 0.3171, 0.2697



7.9603, 0.3066, 0.3061



3.9439, 0.2108, 0.0935



0.1419, 0.2438, 0.1116

Previews

White Background



This preview shows how the Yxy color 36.9802, 0.3277, 0.3951 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 36.9802, 0.3277, 0.3951 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 36.9802, 0.3277, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 36.9802, 0.3277, 0.3951.



This preview shows how white text looks on a background with the Yxy color 36.9802, 0.3277, 0.3951.

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

36.9802, 0.3277, 0.3951

Protanopia

36.7636, 0.3603, 0.3848

Deuteranopia

36.6998, 0.3714, 0.3645



Tritanopia

36.7338, 0.2928, 0.3089

Trichromacy



Original Color

36.9802, 0.3277, 0.3951

Protanomaly

36.7524, 0.3481, 0.3894

Deuteranomaly

36.5663, 0.3550, 0.3749

Tritanomaly

36.8509, 0.3049, 0.3394

Monochromacy



Original Color

36.9802, 0.3277, 0.3951

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3011, 0.3183, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9802, 0.3277, 0.3951 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, 171, 128)` looks like.

```
.text, #text, p{  
    color:rgb(148, 171, 128)  
}
```

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, 171, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 171, 128) }
```

Border

The CSS property to change the border of an element to Yxy 36.9802, 0.3277, 0.3951 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, 171, 128) }
```

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

```
.border{ border-color:rgb(148, 171, 128) }
```

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

Here you see how a box with a 4 pixel rgb(148, 171, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 171, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 171, 128);  
box-shadow:4px 4px 4px 4px rgb(148, 171,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9802, 0.3277, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 171, 128) }
```

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

```
.background{ background-color: rgb(148,  
171, 128) }
```

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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