

Converting Colors

$Yxy(33.8055, 0.3176, 0.3935)$

Have a look what the booklet for
Yxy(33.8055, 0.3176, 0.3935)
contains.

Yxy(33.9297, 0.3179, 0.3938)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.9297, 0.3179, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	87A67E
RGB	135, 166, 126
RGB Percent	53%, 65%, 49%
CMY	0.4707, 0.3490, 0.5059
CMYK	0.19, 0.00, 0.24, 0.35
HSL	107°, 18%, 57%
HSV	107°, 24%, 65%
XYZ	27.3902, 33.9297, 24.8398
YIQ	152.1710, -5.6360, -19.0120

Conversions

Conversions Part 2

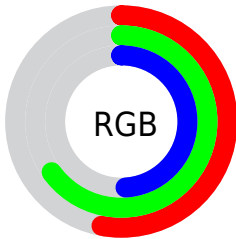
Format	Color
RYB	126, 166, 157
Decimal	8889982
CIELab	64.91, -18.48, 17.29
CIElCh	65, 25.303, 136.903
Yxy	33.9297, 0.3179, 0.3938
Android (android.graphics.Color)	4287080062 (0xFF87A67E)
YUV	152.1710, -12.9023, -15.0590
Hunter-Lab	58.2492, -18.0011, 15.4908

Details

The Yxy color **33.9297, 0.3179, 0.3938** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.8428, 0.3055, 0.2686**, and the grayscale version is **31.5341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7864, 0.3174, 0.3798**, and **14.5017, 0.3187, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **32.5338, 0.3195, 0.4249**, and if you desaturate by 10%, it is **35.5288, 0.3159, 0.3650**.

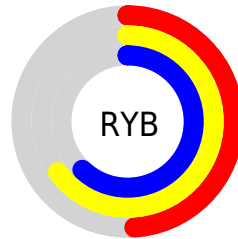
Distribution



Red (53%)

Green (65%)

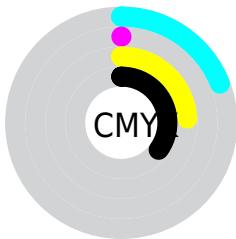
Blue (49%)



Red (49%)

Yellow (65%)

Blue (62%)

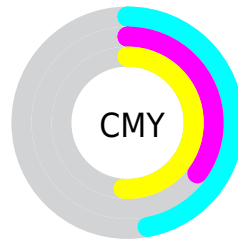


Cyan (19%)

Magenta (0%)

Yellow (24%)

Black (35%)



Cyan (47%)


Magenta (35%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9297, 0.3179, 0.3938 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 33.9297, 0.3179, 0.3938 by changing the saturation by 10% instead.


 33.9297, 0.3179,
0.3938

 33.9297, 0.3179,
0.3938

319.8185, 0.3158,
0.3586

 22.8396, 0.3182,
0.4036


 65.8243, 0.3173,
0.3803

 14.4751, 0.3184,
0.4170


 87.3977, 0.3170,
0.3754

 8.4518, 0.3183,
0.4359


 113.2342, 0.3168,
0.3714

 4.3854, 0.3171,
0.4651

143.7183, 0.3165,
0.3680

 1.8914, 0.3166,
0.5213

179.2344, 0.3163,
0.3651

 0.5432, 0.1073,
0.8927

220.1668, 0.3161,

 0.0000, 0.0000,

0.3626

0.0000

266.9001, 0.3160,
0.3605

■ 33.9297, 0.3179,
0.3938

■ 33.9297, 0.3179,
0.3938

■ 32.5338, 0.3195,
0.4249

■ 35.5288, 0.3159,
0.3650

■ 31.3285, 0.3204,
0.4576

■ 37.3343, 0.3137,
0.3389

■ 30.3068, 0.3206,
0.4904


■ 39.3548, 0.3113,
0.3156

■ 29.4591, 0.3197,
0.5217

■ 41.5973, 0.3090,
0.2950


■ 28.7754, 0.3178,
0.5494


■ 44.0682, 0.3066,
0.2770

 28.2442, 0.3147,
0.5713

 46.7740, 0.3044,
0.2611

 27.8524, 0.3109,
0.5864

 49.7205, 0.3023,
0.2473

 27.6747, 0.3088,
0.5930

 52.6666, 0.3031,
0.2385

 54.9747, 0.3134,
0.2413

Harmonies

Analogous

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



33.9297, 0.3558, 0.3990



33.9297, 0.3179, 0.3938



33.9297, 0.2802, 0.3673

Triad

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



33.9297, 0.3179, 0.3938



33.9297, 0.2459, 0.2719



33.9297, 0.3765, 0.3238

Complementary

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



33.9297, 0.3179, 0.3938



24.8428, 0.3055, 0.2686

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.



33.9297, 0.3436, 0.2945



33.9297, 0.3179, 0.3938



33.9297, 0.2683, 0.2651

Square

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



33.9297, 0.3179, 0.3938



33.9297, 0.2402, 0.2943



33.9297, 0.3036, 0.2736



33.9297, 0.3911, 0.3559

Rectangle

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



33.9297, 0.3179, 0.3938



33.9297, 0.2600, 0.3423



33.9297, 0.3036, 0.2736



33.9297, 0.3671, 0.3135

Sweetspot

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



33.9312, 0.3179, 0.3938



66.7181, 0.3144, 0.3465



33.6173, 0.3512, 0.3749



14.8882, 0.3145, 0.3479



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.9312, 0.3179, 0.3938



60.1521, 0.3188, 0.4105



33.5074, 0.3009, 0.3772



8.4860, 0.3149, 0.3521



21.4753, 0.3093, 0.5926



0.5441, 0.3322, 0.5745

Inverse Universe

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



24.8428, 0.3055, 0.2686



40.7178, 0.3034, 0.2544



25.4049, 0.3271, 0.2852



7.5804, 0.3103, 0.3065



5.7587, 0.2656, 0.1237



0.1605, 0.2850, 0.1344

Previews

White Background



This preview shows how the Yxy color 33.9297, 0.3179, 0.3938 looks on a white background.

Color Contrast Check

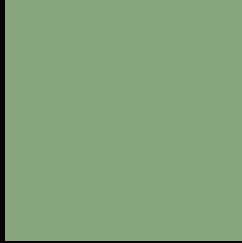
Large Text (above 18pt) WCAG AA × Fail

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 33.9297, 0.3179, 0.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

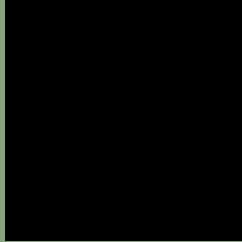
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

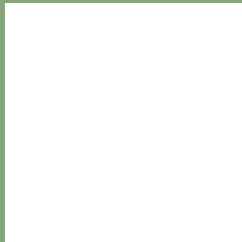
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9297, 0.3179, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 33.9297, 0.3179, 0.3938.



This preview shows how white text looks on a background with the Yxy color 33.9297, 0.3179, 0.3938.

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

33.9297, 0.3179, 0.3938

Protanopia

33.8439, 0.3570, 0.3810

Deuteranopia

33.6633, 0.3673, 0.3603



Tritanopia

33.9984, 0.2861, 0.3094

Trichromacy



Original Color

33.9297, 0.3179, 0.3938

Protanomaly

33.6396, 0.3426, 0.3860

Deuteranomaly

33.3348, 0.3484, 0.3710

Tritanomaly

33.8164, 0.2975, 0.3383

Monochromacy



Original Color

33.9297, 0.3179, 0.3938

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2081, 0.3146, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9297, 0.3179, 0.3938 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(135, 166, 126)` looks like.

```
.text, #text, p{  
    color:rgb(135, 166, 126)  
}
```

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(135, 166, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 166, 126) }
```

Border

The CSS property to change the border of an element to Yxy 33.9297, 0.3179, 0.3938 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(135, 166, 126) }
```

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

```
.border{ border-color:rgb(135, 166, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 166, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 166, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 166, 126);  
box-shadow:4px 4px 4px 4px rgb(135, 166,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9297, 0.3179, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 166, 126) }
```

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

```
.background{ background-color: rgb(135,  
166, 126) }
```

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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