

Converting Colors

$Yxy(33.0517, 0.3340, 0.3994)$

Have a look what the booklet for
Yxy(33.0517, 0.3340, 0.3994)
contains.

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Color

Yxy(33.0780, 0.3343, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	90A276
RGB	144, 162, 118
RGB Percent	56%, 64%, 46%
CMY	0.4353, 0.3647, 0.5372
CMYK	0.11, 0.00, 0.27, 0.36
HSL	85°, 19%, 55%
HSV	85°, 27%, 64%
XYZ	27.6934, 33.0780, 22.0686
YIQ	151.6020, 3.3960, -17.5000

Conversions

Conversions Part 2

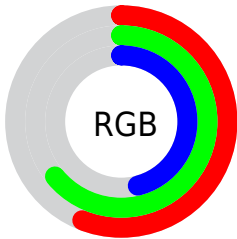
Format	Color
RYB	118, 162, 136
Decimal	9478774
CIELab	64.22, -14.32, 20.84
CIELCh	64, 25.282, 124.498
Yxy	33.0780, 0.3343, 0.3993
Android (android.graphics.Color)	4287668854 (0xFF90A276)
YUV	151.6020, -16.5658, -6.6670
Hunter-Lab	57.5135, -14.6988, 17.5092

Details

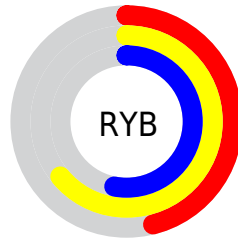
The Yxy color **33.0780, 0.3343, 0.3993** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.8039, 0.2861, 0.2570**, and the grayscale version is **31.2921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5338, 0.3306, 0.3854**, and **13.9087, 0.3404, 0.4241** is the 20% darker color. If you saturate the color by 10%, you get **32.1473, 0.3416, 0.4274**, and if you desaturate by 10%, it is **34.1128, 0.3265, 0.3721**.

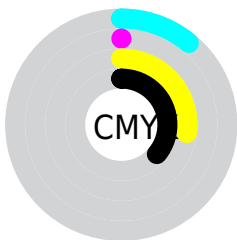
Distribution



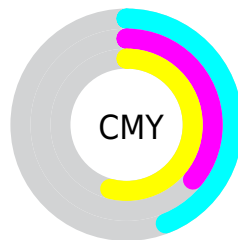
- Red (56%)
- Green (64%)
- Blue (46%)



- Red (46%)
- Yellow (64%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (27%)
- Black (36%)





- Cyan (44%)
- Magenta (36%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0780, 0.3343, 0.3993 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 33.0780, 0.3343, 0.3993 by changing the saturation by 10% instead.


 33.0780, 0.3343,
0.3993


 33.0780, 0.3343,
0.3993


316.0011, 0.3236,
0.3612

 22.1862, 0.3369,
0.4099


 64.4973, 0.3305,
0.3847

 13.9938, 0.3400,
0.4241


 85.7936, 0.3290,
0.3794

 8.1163, 0.3439,
0.4443

 111.3268, 0.3277,
0.3751

 4.1695, 0.3484,
0.4747

141.4814, 0.3267,
0.3714

 1.7688, 0.3691,
0.5507

176.6417, 0.3257,
0.3683

 0.4676, 0.1687,
0.8313

217.1922, 0.3249,

 0.0000, 0.0000,

0.3656

0.0000

263.5171, 0.3242,
0.3632

■ 33.0780, 0.3343,
0.3993

■ 33.0780, 0.3343,
0.3993

■ 32.1473, 0.3416,
0.4274

■ 34.1128, 0.3265,
0.3721

■ 31.3124, 0.3479,
0.4556

■ 35.2510, 0.3184,
0.3463

■ 30.5704, 0.3527,
0.4827

■ 36.4977, 0.3105,
0.3224

■ 29.9167, 0.3557,
0.5075

■ 37.8560, 0.3027,
0.3005

■ 29.3460, 0.3566,
0.5286

■ 39.3293, 0.2953,
0.2806

■ 28.8523, 0.3551,
0.5452

■ 40.9206, 0.2883,
0.2626

■ 28.4267, 0.3515,
0.5569

■ 42.6326, 0.2818,
0.2465

■ 28.3133, 0.3504,
0.5600

■ 44.4683, 0.2758,
0.2321

■ 45.8495, 0.2759,
0.2268

Harmonies

Analogous

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



33.0780, 0.3693, 0.3953



33.0780, 0.3343, 0.3993



33.0780, 0.2949, 0.3808

Triad

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



33.0780, 0.3343, 0.3993



33.0780, 0.2409, 0.2789



33.0780, 0.3649, 0.3109

Complementary

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



33.0780, 0.3343, 0.3993



20.8039, 0.2861, 0.2570

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.



33.0780, 0.3273, 0.2843



33.0780, 0.3343, 0.3993



33.0780, 0.2567, 0.2655

Square

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



33.0780, 0.3343, 0.3993



33.0780, 0.2426, 0.3075



33.0780, 0.2876, 0.2679



33.0780, 0.3883, 0.3428

Rectangle

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



33.0780, 0.3343, 0.3993



33.0780, 0.2715, 0.3584



33.0780, 0.2876, 0.2679



33.0780, 0.3534, 0.3012

Sweetspot

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



33.0794, 0.3343, 0.3993



63.7794, 0.3192, 0.3488



26.4883, 0.3626, 0.3568



14.2549, 0.3204, 0.3525



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.0794, 0.3343, 0.3993



58.9361, 0.3391, 0.4175



31.3173, 0.3132, 0.4041



8.0921, 0.3202, 0.3516



22.3311, 0.3510, 0.5595



0.4959, 0.3763, 0.5394

Inverse Universe

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



20.8039, 0.2861, 0.2570



32.6122, 0.2782, 0.2379



22.7978, 0.3107, 0.2621



6.9948, 0.3048, 0.3062



2.9991, 0.1878, 0.0808



0.0903, 0.2312, 0.1047

Previews

White Background



This preview shows how the Yxy color 33.0780, 0.3343, 0.3993 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 33.0780, 0.3343, 0.3993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

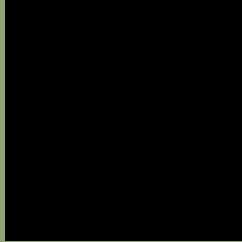
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0780, 0.3343, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 33.0780, 0.3343, 0.3993.



This preview shows how white text looks on a background with the Yxy color 33.0780, 0.3343, 0.3993.

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

33.0780, 0.3343, 0.3993

Protanopia

32.8960, 0.3635, 0.3889

Deuteranopia

32.8205, 0.3764, 0.3689



Tritanopia

33.1834, 0.2973, 0.3111

Trichromacy



Original Color

33.0780, 0.3343, 0.3993

Protanomaly

33.0856, 0.3528, 0.3934

Deuteranomaly

32.7921, 0.3601, 0.3798

Tritanomaly

32.9516, 0.3102, 0.3414

Monochromacy



Original Color

33.0780, 0.3343, 0.3993

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.0599, 0.3205, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0780, 0.3343, 0.3993 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(144, 162, 118)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 118)  
}
```

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(144, 162, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 118) }
```

Border

The CSS property to change the border of an element to Yxy 33.0780, 0.3343, 0.3993 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(144, 162, 118) }
```

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

```
.border{ border-color:rgb(144, 162, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 162, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 118);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0780, 0.3343, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 118) }
```

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

```
.background{ background-color: rgb(144,  
162, 118) }
```

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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