

Converting Colors

$Yxy(34.0369, 0.2946, 0.3861)$

Have a look what the booklet for
Yxy(34.0369, 0.2946, 0.3861)
contains.

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Color

Yxy(33.9071, 0.2946, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	75A987
RGB	117, 169, 135
RGB Percent	46%, 66%, 53%
CMY	0.5411, 0.3372, 0.4705
CMYK	0.31, 0.00, 0.20, 0.34
HSL	141°, 23%, 56%
HSV	141°, 31%, 66%
XYZ	25.8984, 33.9071, 28.1050
YIQ	149.5760, -20.0780, -21.5980

Conversions

Conversions Part 2

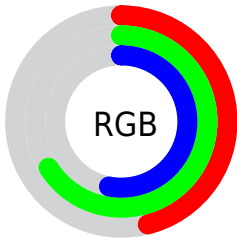
Format	Color
RYB	117, 156, 169
Decimal	7711111
CIELab	64.89, -24.51, 12.12
CIElCh	65, 27.341, 153.682
Yxy	33.9071, 0.2946, 0.3857
Android (android.graphics.Color)	4285901191 (0xFF75A987)
YUV	149.5760, -7.1860, -28.5692
Hunter-Lab	58.2298, -22.5120, 12.1441

Details

The Yxy color **33.9071, 0.2946, 0.3857** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.3939, 0.3370, 0.2785**, and the grayscale version is **30.3492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4882, 0.2985, 0.3737**, and **14.5367, 0.2875, 0.4078** is the 20% darker color. If you saturate the color by 10%, you get **32.5462, 0.2895, 0.4081**, and if you desaturate by 10%, it is **35.5144, 0.3002, 0.3652**.

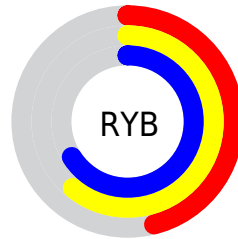
Distribution



Red (46%)

Green (66%)

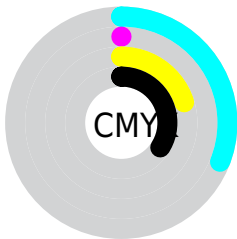
Blue (53%)



Red (46%)

Yellow (61%)

Blue (66%)

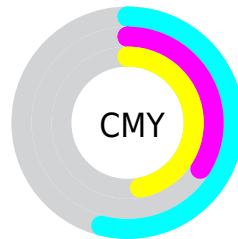


Cyan (31%)

Magenta (0%)

Yellow (20%)

Black (34%)



Cyan (54%)


Magenta (34%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9071, 0.2946, 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 33.9071, 0.2946, 0.3857 by changing the saturation by 10% instead.


 33.9071, 0.2946,
0.3857


 33.9071, 0.2946,
0.3857


319.7176, 0.3047,
0.3548


 22.8222, 0.2917,
0.3944


 65.7892, 0.2985,
0.3738

 14.4623, 0.2877,
0.4062


 87.3552, 0.2999,
0.3695

 8.4429, 0.2819,
0.4232

 113.1837, 0.3011,
0.3660

 4.3796, 0.2726,
0.4495

143.6591, 0.3020,
0.3630

 1.8881, 0.2559,
0.4955

179.1658, 0.3028,
0.3605

 0.5412, 0.0000,
1.0000

220.0882, 0.3035,

 0.0000, 0.0000,

0.3583

0.0000

266.8107, 0.3041,
0.3564

■ 33.9071, 0.2946,
0.3857

■ 33.9071, 0.2946,
0.3857

■ 32.5462, 0.2895,
0.4081

■ 35.5144, 0.3002,
0.3652

■ 31.4153, 0.2853,
0.4319

■ 37.3754, 0.3062,
0.3467

■ 30.5021, 0.2822,
0.4568


■ 39.5023, 0.3123,
0.3302

■ 29.7918, 0.2806,
0.4818

■ 41.9051, 0.3183,
0.3156


■ 29.2675, 0.2807,
0.5060


■ 44.5933, 0.3241,
0.3028

 28.9094, 0.2825,
0.5283

 47.5762, 0.3297,
0.2916

 28.6873, 0.2852,
0.5467

 50.8624, 0.3351,
0.2818

 54.4601, 0.3401,
0.2733

 55.6026, 0.3331,
0.2633

Harmonies

Analogous

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



33.9071, 0.3368, 0.4049



33.9071, 0.2946, 0.3857



33.9071, 0.2589, 0.3478

Triad

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



33.9071, 0.2946, 0.3857



33.9071, 0.2522, 0.2614



33.9071, 0.3935, 0.3425

Complementary

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



33.9071, 0.2946, 0.3857



23.3939, 0.3370, 0.2785

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.



33.9071, 0.3678, 0.3087



33.9071, 0.2946, 0.3857



33.9071, 0.2847, 0.2636

Square

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



33.9071, 0.2946, 0.3857



33.9071, 0.2358, 0.2759



33.9071, 0.3270, 0.2806



33.9071, 0.3955, 0.3755

Rectangle

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



33.9071, 0.2946, 0.3857



33.9071, 0.2431, 0.3198



33.9071, 0.3270, 0.2806



33.9071, 0.3873, 0.3309

Sweetspot

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



33.9085, 0.2946, 0.3857



67.5145, 0.3072, 0.3439



36.3046, 0.3409, 0.4087



14.6050, 0.3063, 0.3463



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.



33.9085, 0.2946, 0.3857



58.9991, 0.2910, 0.4009



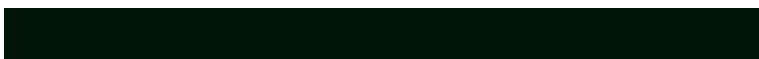
34.7088, 0.2756, 0.3428



8.4490, 0.3071, 0.3441



21.3893, 0.2847, 0.5448



0.5300, 0.2653, 0.4751

Inverse Universe

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



23.3939, 0.3370, 0.2785



37.0998, 0.3442, 0.2669



22.6575, 0.3690, 0.3159



7.6218, 0.3188, 0.3143



7.1438, 0.4301, 0.2143



0.1829, 0.3861, 0.1900

Previews

White Background



This preview shows how the Yxy color 33.9071, 0.2946, 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 33.9071, 0.2946, 0.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

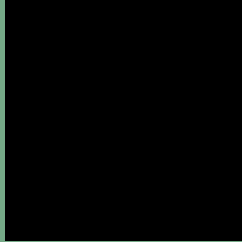
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9071, 0.2946, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 33.9071, 0.2946, 0.3857.



This preview shows how white text looks on a background with the Yxy color 33.9071, 0.2946, 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

33.9071, 0.2946, 0.3857

Protanopia

33.4689, 0.3485, 0.3694

Deuteranopia

33.5810, 0.3538, 0.3462



Tritanopia

33.6889, 0.2694, 0.3088

Trichromacy



Original Color

33.9071, 0.2946, 0.3857

Protanomaly

33.4243, 0.3269, 0.3761

Deuteranomaly

33.3566, 0.3291, 0.3596

Tritanomaly

33.6211, 0.2784, 0.3353

Monochromacy



Original Color

33.9071, 0.2946, 0.3857

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.5615, 0.3051, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9071, 0.2946, 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(117, 169, 135)` looks like.

```
.text, #text, p{  
    color:rgb(117, 169, 135)  
}
```

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(117, 169, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 169, 135) }
```

Border

The CSS property to change the border of an element to Yxy 33.9071, 0.2946, 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(117, 169, 135) }
```

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

```
.border{ border-color:rgb(117, 169, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 169, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 169, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 169, 135);  
box-shadow:4px 4px 4px 4px rgb(117, 169,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9071, 0.2946, 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(117, 169, 135) }
```

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

```
.background{ background-color: rgb(117,  
169, 135) }
```

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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