

Converting Colors

$Yxy(33.3223, 0.2941, 0.3755)$

Have a look what the booklet for
Yxy(33.3223, 0.2941, 0.3755)
contains.

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Color

Yxy(33.4946, 0.2939, 0.3754)

Conversions

Conversions Part 1

Format	Color
Hex	78A78B
RGB	120, 167, 139
RGB Percent	47%, 65%, 55%
CMY	0.5295, 0.3451, 0.4549
CMYK	0.28, 0.00, 0.17, 0.35
HSL	144°, 21%, 56%
HSV	144°, 28%, 65%
XYZ	26.2229, 33.4946, 29.5063
YIQ	149.7550, -19.0240, -18.6720

Conversions

Conversions Part 2

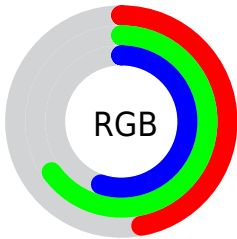
Format	Color
RYB	120, 153, 167
Decimal	7907211
CIELab	64.56, -21.74, 9.47
CIELCh	65, 23.713, 156.458
Yxy	33.4946, 0.2939, 0.3754
Android (android.graphics.Color)	4286097291 (0xFF78A78B)
YUV	149.7550, -5.3022, -26.0951
Hunter-Lab	57.8745, -20.4023, 10.2842

Details

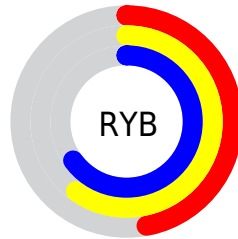
The Yxy color **33.4946, 0.2939, 0.3754** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7844, 0.3377, 0.2869**, and the grayscale version is **30.4183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9326, 0.2980, 0.3660**, and **14.2848, 0.2873, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **32.1266, 0.2880, 0.3952**, and if you desaturate by 10%, it is **35.1001, 0.3004, 0.3573**.

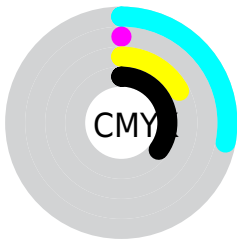
Distribution



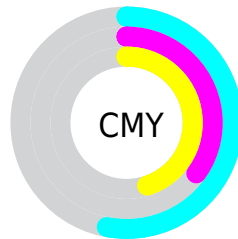
- Red (47%)
- Green (65%)
- Blue (55%)



- Red (47%)
- Yellow (60%)
- Blue (65%)



- Cyan (28%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)




- Cyan (53%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4946, 0.2939, 0.3754 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 33.4946, 0.2939, 0.3754 by changing the saturation by 10% instead.


 33.4946, 0.2939,
0.3754


 33.4946, 0.2939,
0.3754


317.8726, 0.3042,
0.3502


 22.5056, 0.2910,
0.3825


 65.1470, 0.2979,
0.3657

 14.2289, 0.2871,
0.3920


 86.5791, 0.2993,
0.3622

 8.2800, 0.2814,
0.4058

 112.2611, 0.3005,
0.3594

 4.2747, 0.2725,
0.4270

142.5773, 0.3014,
0.3569

 1.8284, 0.2568,
0.4642

177.9122, 0.3023,
0.3549

 0.5048, 0.0000,
1.0000

218.6501, 0.3030,

 0.0000, 0.0000,

0.3531

0.0000

265.1754, 0.3036,
0.3516

■ 33.4946, 0.2939,
0.3754

■ 33.4946, 0.2939,
0.3754

■ 32.1266, 0.2880,
0.3952

■ 35.1001, 0.3004,
0.3573

■ 30.9804, 0.2830,
0.4165

■ 36.9496, 0.3071,
0.3410

■ 30.0450, 0.2791,
0.4389

■ 39.0547, 0.3140,
0.3264

■ 29.3064, 0.2767,
0.4619

■ 41.4246, 0.3208,
0.3136

■ 28.7491, 0.2761,
0.4847

■ 44.0685, 0.3274,
0.3023

■ 28.3552, 0.2773,
0.5064

■ 46.9948, 0.3339,
0.2923

■ 28.0937, 0.2801,
0.5265

■ 50.2117, 0.3400,
0.2837

■ 28.0512, 0.2806,
0.5301

■ 53.7271, 0.3458,
0.2761

■ 54.5315, 0.3383,
0.2669

Harmonies

Analogous

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



33.4946, 0.3307, 0.3939



33.4946, 0.2939, 0.3754



33.4946, 0.2634, 0.3422

Triad

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



33.4946, 0.2939, 0.3754



33.4946, 0.2618, 0.2692



33.4946, 0.3840, 0.3441

Complementary

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



33.4946, 0.2939, 0.3754



23.7844, 0.3377, 0.2869

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.



33.4946, 0.3634, 0.3140



33.4946, 0.2939, 0.3754



33.4946, 0.2916, 0.2723

Square

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



33.4946, 0.2939, 0.3754



33.4946, 0.2458, 0.2810



33.4946, 0.3289, 0.2884



33.4946, 0.3839, 0.3726

Rectangle

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



33.4946, 0.2939, 0.3754



33.4946, 0.2502, 0.3181



33.4946, 0.3289, 0.2884



33.4946, 0.3793, 0.3340

Sweetspot

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



33.4960, 0.2939, 0.3754



66.1718, 0.3071, 0.3410



35.3101, 0.3355, 0.4022



14.6931, 0.3061, 0.3433



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.



33.4960, 0.2939, 0.3754



58.3526, 0.2900, 0.3880



34.2516, 0.2761, 0.3364



8.4561, 0.3063, 0.3428



21.4724, 0.2801, 0.5283



0.5326, 0.2610, 0.4597

Inverse Universe

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



23.7844, 0.3377, 0.2869



37.9610, 0.3452, 0.2768



23.1190, 0.3666, 0.3219



7.6145, 0.3197, 0.3156



6.9931, 0.4529, 0.2269



0.1799, 0.3990, 0.1972

Previews

White Background



This preview shows how the Yxy color 33.4946, 0.2939, 0.3754 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 33.4946, 0.2939, 0.3754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

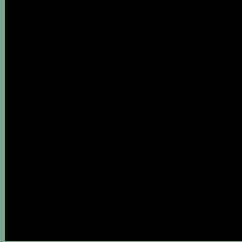
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4946, 0.2939, 0.3754

Background



This preview shows how black text looks on a background with the Yxy color 33.4946, 0.2939, 0.3754.



This preview shows how white text looks on a background with the Yxy color 33.4946, 0.2939, 0.3754.

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

33.4946, 0.2939, 0.3754

Protanopia

33.3629, 0.3425, 0.3636

Deuteranopia

32.9958, 0.3478, 0.3406



Tritanopia

33.4478, 0.2715, 0.3088

Trichromacy



Original Color

33.4946, 0.2939, 0.3754

Protanomaly

33.1868, 0.3235, 0.3682

Deuteranomaly

32.7679, 0.3266, 0.3520

Tritanomaly

33.4446, 0.2791, 0.3321

Monochromacy



Original Color

33.4946, 0.2939, 0.3754

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3412, 0.3052, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4946, 0.2939, 0.3754 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(120, 167, 139)` looks like.

```
.text, #text, p{  
    color:rgb(120, 167, 139)  
}
```

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(120, 167, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 167, 139) }
```

Border

The CSS property to change the border of an element to Yxy 33.4946, 0.2939, 0.3754 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(120, 167, 139) }
```

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

```
.border{ border-color:rgb(120, 167, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 167, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 167, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 167, 139);  
box-shadow:4px 4px 4px 4px rgb(120, 167,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4946, 0.2939, 0.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 167, 139) }
```

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

```
.background{ background-color: rgb(120,  
167, 139) }
```

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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