

Converting Colors

$Yxy(33.3481, 0.2852, 0.3922)$

Have a look what the booklet for
Yxy(33.3481, 0.2852, 0.3922)
contains.

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Color

Yxy(33.3265, 0.2851, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	67AA85
RGB	103, 170, 133
RGB Percent	40%, 67%, 52%
CMY	0.5964, 0.3333, 0.4785
CMYK	0.39, 0.00, 0.22, 0.33
HSL	147°, 28%, 54%
HSV	147°, 39%, 67%
XYZ	24.1950, 33.3265, 27.3435
YIQ	145.7490, -28.0550, -25.7110

Conversions

Conversions Part 2

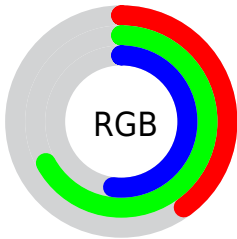
Format	Color
RYB	103, 149, 170
Decimal	6793861
CIELab	64.42, -29.77, 12.48
CIElCh	64, 32.284, 157.256
Yxy	33.3265, 0.2851, 0.3927
Android (android.graphics.Color)	4284983941 (0xFF67AA85)
YUV	145.7490, -6.2853, -37.4909
Hunter-Lab	57.7291, -26.2143, 12.3275

Details

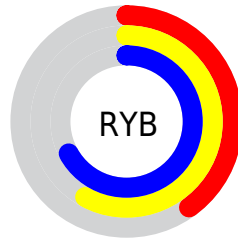
The Yxy color **33.3265, 0.2851, 0.3927** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.1262, 0.3555, 0.2735**, and the grayscale version is **28.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1060, 0.2914, 0.3797**, and **14.0509, 0.2752, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **32.1756, 0.2798, 0.4125**, and if you desaturate by 10%, it is **34.7076, 0.2914, 0.3742**.

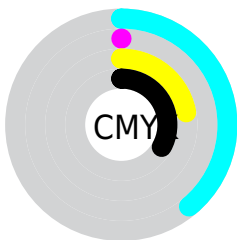
Distribution



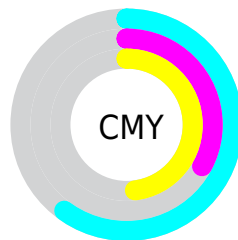
- Red (40%)
- Green (67%)
- Blue (52%)



- Red (40%)
- Yellow (58%)
- Blue (67%)



- Cyan (39%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)





- Cyan (60%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3265, 0.2851, 0.3927 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 33.3265, 0.2851, 0.3927 by changing the saturation by 10% instead.


 33.3265, 0.2851,
0.3927


 33.3265, 0.2851,
0.3927


317.1184, 0.3003,
0.3577


 22.3767, 0.2808,
0.4026


 64.8849, 0.2910,
0.3792


 14.1339, 0.2748,
0.4162


 86.2624, 0.2931,
0.3743

 8.2139, 0.2662,
0.4357


 111.8844, 0.2948,
0.3703

 4.2321, 0.2527,
0.4664

 142.1355, 0.2963,
0.3670

 1.8042, 0.2285,
0.5213

177.4001, 0.2975,
0.3642

 0.4898, 0.0000,
1.0000

218.0625, 0.2986,

 0.0000, 0.0000,

0.3617

0.0000

264.5071, 0.2995,
0.3596

■ 33.3265, 0.2851,
0.3927

■ 33.3265, 0.2851,
0.3927

■ 32.1756, 0.2798,
0.4125

■ 34.7076, 0.2914,
0.3742

■ 31.2378, 0.2757,
0.4334

■ 36.3270, 0.2983,
0.3573

■ 30.5000, 0.2733,
0.4547

■ 38.1970, 0.3056,
0.3420

■ 29.9459, 0.2727,
0.4760


■ 40.3281, 0.3131,
0.3283

■ 29.5563, 0.2740,
0.4965

■ 42.7301, 0.3206,
0.3162


 29.2927, 0.2767,
0.5157

 45.4124, 0.3279,
0.3055

 29.2797, 0.2769,
0.5167

 48.3837, 0.3350,
0.2961

 51.6526, 0.3419,
0.2878

 55.0480, 0.3476,
0.2805

Harmonies

Analogous

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



33.3265, 0.3345, 0.4189



33.3265, 0.2851, 0.3927



33.3265, 0.2452, 0.3450

Triad

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



33.3265, 0.2851, 0.3927



33.3265, 0.2452, 0.2490



33.3265, 0.4107, 0.3487

Complementary

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



33.3265, 0.2851, 0.3927



20.1262, 0.3555, 0.2735

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.



33.3265, 0.3830, 0.3092



33.3265, 0.2851, 0.3927



33.3265, 0.2848, 0.2542

Square

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



33.3265, 0.2851, 0.3927



33.3265, 0.2239, 0.2629



33.3265, 0.3355, 0.2757



33.3265, 0.4090, 0.3870

Rectangle

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



33.3265, 0.2851, 0.3927



33.3265, 0.2285, 0.3116



33.3265, 0.3355, 0.2757



33.3265, 0.4045, 0.3352

Sweetspot

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



33.3279, 0.2851, 0.3927



68.3081, 0.3036, 0.3460



35.3911, 0.3416, 0.4350



15.1361, 0.3027, 0.3479



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.



33.3279, 0.2851, 0.3927



58.6764, 0.2806, 0.4093



34.3711, 0.2621, 0.3361



8.4615, 0.3058, 0.3417



21.5450, 0.2763, 0.5147



0.5346, 0.2580, 0.4487

Inverse Universe

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



20.1262, 0.3555, 0.2735



31.4644, 0.3686, 0.2620



19.3041, 0.4025, 0.3224



7.6090, 0.3203, 0.3166



6.8901, 0.4708, 0.2367



0.1777, 0.4093, 0.2028

Previews

White Background



This preview shows how the Yxy color 33.3265, 0.2851, 0.3927 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 33.3265, 0.2851, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

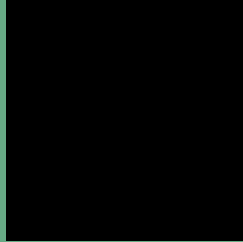
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3265, 0.2851, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 33.3265, 0.2851, 0.3927.



This preview shows how white text looks on a background with the Yxy color 33.3265, 0.2851, 0.3927.

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

33.3265, 0.2851, 0.3927

Protanopia

32.9484, 0.3507, 0.3726

Deuteranopia

32.9659, 0.3540, 0.3478



Tritanopia

33.2360, 0.2600, 0.3083

Trichromacy



Original Color

33.3265, 0.2851, 0.3927

Protanomaly

32.4774, 0.3229, 0.3788

Deuteranomaly

32.3755, 0.3250, 0.3619

Tritanomaly

33.0969, 0.2686, 0.3371

Monochromacy



Original Color

33.3265, 0.2851, 0.3927

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1116, 0.3010, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3265, 0.2851, 0.3927 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(103, 170, 133)` looks like.

```
.text, #text, p{  
    color:rgb(103, 170, 133)  
}
```

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(103, 170, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 170, 133) }
```

Border

The CSS property to change the border of an element to Yxy 33.3265, 0.2851, 0.3927 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(103, 170, 133) }
```

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

```
.border{ border-color:rgb(103, 170, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 170, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 170, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 170, 133);  
box-shadow:4px 4px 4px 4px rgb(103, 170,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3265, 0.2851, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 170, 133) }
```

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

```
.background{ background-color: rgb(103,  
170, 133) }
```

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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