

Converting Colors

$Yxy(33.6596, 0.2983, 0.3684)$

Have a look what the booklet for
Yxy(33.6596, 0.2983, 0.3684)
contains.

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Color

Yxy(33.7075, 0.2983, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	7FA68D
RGB	127, 166, 141
RGB Percent	50%, 65%, 55%
CMY	0.5019, 0.3490, 0.4471
CMYK	0.23, 0.00, 0.15, 0.35
HSL	142°, 18%, 57%
HSV	142°, 23%, 65%
XYZ	27.1976, 33.7075, 30.2702
YIQ	151.4890, -15.2190, -16.0430

Conversions

Conversions Part 2

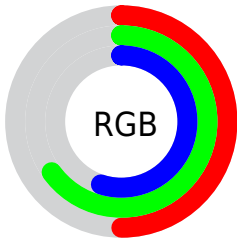
Format	Color
RYB	127, 156, 166
Decimal	8365709
CIELab	64.73, -18.49, 8.66
CIElCh	65, 20.416, 154.908
Yxy	33.7075, 0.2983, 0.3697
Android (android.graphics.Color)	4286555789 (0xFF7FA68D)
YUV	151.4890, -5.1711, -21.4769
Hunter-Lab	58.0582, -17.9827, 9.7283

Details

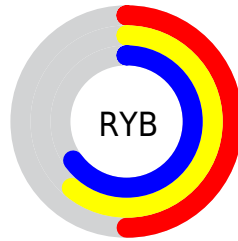
The Yxy color **33.7075, 0.2983, 0.3697** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.5574, 0.3307, 0.2915**, and the grayscale version is **31.1971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3563, 0.3008, 0.3606**, and **14.3677, 0.2930, 0.3839** is the 20% darker color. If you saturate the color by 10%, you get **32.2355, 0.2926, 0.3903**, and if you desaturate by 10%, it is **35.4228, 0.3043, 0.3511**.

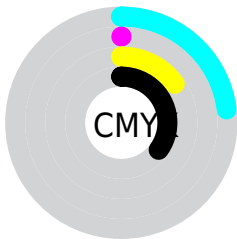
Distribution



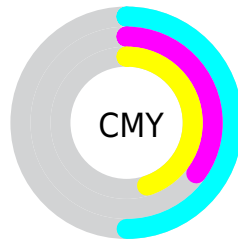
- Red (50%)
- Green (65%)
- Blue (55%)



- Red (50%)
- Yellow (61%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (15%)
- Black (35%)





- Cyan (50%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7075, 0.2983, 0.3697 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 33.7075, 0.2983, 0.3697 by changing the saturation by 10% instead.


 33.7075, 0.2983,
0.3697


 33.7075, 0.2983,
0.3697


318.8258, 0.3062,
0.3477


 22.6690, 0.2961,
0.3758


 65.4785, 0.3013,
0.3613

 14.3493, 0.2931,
0.3841


 86.9799, 0.3024,
0.3582

 8.3640, 0.2887,
0.3959


 112.7376, 0.3033,
0.3557

 4.3287, 0.2819,
0.4142

143.1361, 0.3041,
0.3536

 1.8591, 0.2699,
0.4458

178.5598, 0.3047,
0.3518

 0.5236, 0.0813,
0.9187

219.3930, 0.3053,

 0.0000, 0.0000,

0.3502

0.0000

266.0202, 0.3058,
0.3489

■ 33.7075, 0.2983,
0.3697

■ 33.7075, 0.2983,
0.3697

■ 32.2355, 0.2926,
0.3903

■ 35.4228, 0.3043,
0.3511

■ 30.9915, 0.2876,
0.4126

■ 37.3875, 0.3105,
0.3344

■ 29.9648, 0.2836,
0.4363

■ 39.6129, 0.3167,
0.3196

■ 29.1422, 0.2808,
0.4608

■ 42.1081, 0.3228,
0.3066

■ 28.5092, 0.2796,
0.4852

■ 44.8821, 0.3287,
0.2951

■ 28.0489, 0.2801,
0.5087

■ 47.9431, 0.3343,
0.2852

■ 27.7415, 0.2823,
0.5303

■ 51.2991, 0.3396,
0.2765

■ 27.5940, 0.2842,
0.5431

■ 54.0331, 0.3405,
0.2681

■ 54.6365, 0.3314,
0.2582

Harmonies

Analogous

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



33.7075, 0.3301, 0.3847



33.7075, 0.2983, 0.3697



33.7075, 0.2714, 0.3420

Triad

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



33.7075, 0.2983, 0.3697



33.7075, 0.2677, 0.2775



33.7075, 0.3733, 0.3411

Complementary

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



33.7075, 0.2983, 0.3697



25.5574, 0.3307, 0.2915

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.



33.7075, 0.3549, 0.3149



33.7075, 0.2983, 0.3697



33.7075, 0.2931, 0.2793

Square

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



33.7075, 0.2983, 0.3697



33.7075, 0.2544, 0.2887



33.7075, 0.3251, 0.2928



33.7075, 0.3744, 0.3659

Rectangle

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



33.7075, 0.2983, 0.3697



33.7075, 0.2594, 0.3215



33.7075, 0.3251, 0.2928



33.7075, 0.3690, 0.3323

Sweetspot

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



33.7089, 0.2983, 0.3697



66.5005, 0.3083, 0.3402



35.5152, 0.3338, 0.3889



14.8361, 0.3079, 0.3412



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.



33.7089, 0.2983, 0.3697



59.7782, 0.2954, 0.3798



34.3293, 0.2832, 0.3382



8.4505, 0.3069, 0.3438



21.4059, 0.2837, 0.5414



0.5306, 0.2644, 0.4717

Inverse Universe

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



25.5574, 0.3307, 0.2915



42.4500, 0.3355, 0.2832



24.9795, 0.3530, 0.3201



7.6203, 0.3190, 0.3146



7.1102, 0.4349, 0.2169



0.1822, 0.3888, 0.1915

Previews

White Background



This preview shows how the Yxy color 33.7075, 0.2983, 0.3697 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 33.7075, 0.2983, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

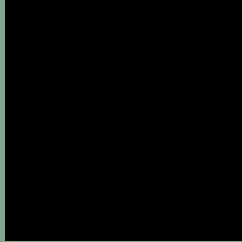
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7075, 0.2983, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 33.7075, 0.2983, 0.3697.



This preview shows how white text looks on a background with the Yxy color 33.7075, 0.2983, 0.3697.

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

33.7075, 0.2983, 0.3697

Protanopia

33.4470, 0.3396, 0.3590

Deuteranopia

33.3769, 0.3455, 0.3391



Tritanopia

33.5323, 0.2770, 0.3090

Trichromacy



Original Color

33.7075, 0.2983, 0.3697

Protanomaly

33.5559, 0.3237, 0.3631

Deuteranomaly

33.0292, 0.3268, 0.3488

Tritanomaly

33.6283, 0.2848, 0.3305

Monochromacy



Original Color

33.7075, 0.2983, 0.3697

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6343, 0.3072, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7075, 0.2983, 0.3697 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(127, 166, 141)` looks like.

```
.text, #text, p{  
    color:rgb(127, 166, 141)  
}
```

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(127, 166, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 166, 141) }
```

Border

The CSS property to change the border of an element to Yxy 33.7075, 0.2983, 0.3697 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(127, 166, 141) }
```

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

```
.border{ border-color:rgb(127, 166, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 166, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 166, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 166, 141);  
box-shadow:4px 4px 4px 4px rgb(127, 166,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7075, 0.2983, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 166, 141) }
```

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

```
.background{ background-color: rgb(127,  
166, 141) }
```

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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