

Converting Colors

$Y_{xy}(33.6122, 0.3000, 0.3720)$

Have a look what the booklet for
Yxy(33.6122, 0.3000, 0.3720)
contains.

Yxy(33.6485, 0.2999, 0.3731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6485, 0.2999, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	7FA68B
RGB	127, 166, 139
RGB Percent	50%, 65%, 55%
CMY	0.5020, 0.3490, 0.4549
CMYK	0.24, 0.00, 0.16, 0.35
HSL	138°, 18%, 57%
HSV	138°, 24%, 65%
XYZ	27.0469, 33.6485, 29.4909
YIQ	151.2610, -14.5770, -16.6650

Conversions

Conversions Part 2

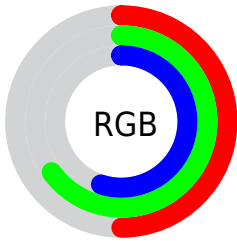
Format	Color
RYB	127, 157, 166
Decimal	8365707
CIELab	64.68, -18.90, 9.71
CIELCh	65, 21.243, 152.811
Yxy	33.6485, 0.2999, 0.3731
Android (android.graphics.Color)	4286555787 (0xFF7FA68B)
YUV	151.2610, -6.0447, -21.2769
Hunter-Lab	58.0073, -18.2843, 10.4621

Details

The Yxy color **33.6485, 0.2999, 0.3731** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.6172, 0.3284, 0.2886**, and the grayscale version is **31.0955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2665, 0.3021, 0.3631**, and **14.3337, 0.2952, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **32.1601, 0.2948, 0.3954**, and if you desaturate by 10%, it is **35.3850, 0.3053, 0.3529**.

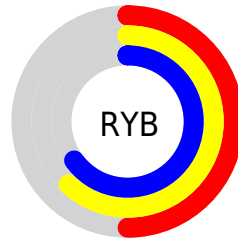
Distribution



Red (50%)

Green (65%)

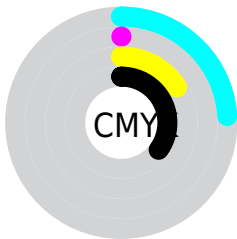
Blue (55%)



Red (50%)

Yellow (62%)

Blue (65%)

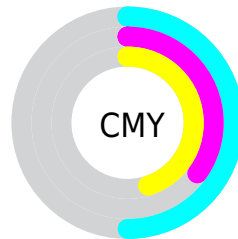


Cyan (24%)

Magenta (0%)

Yellow (16%)

Black (35%)



Cyan (50%)


Magenta (35%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6485, 0.2999, 0.3731 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 33.6485, 0.2999, 0.3731 by changing the saturation by 10% instead.


 33.6485, 0.2999,
0.3731


 33.6485, 0.2999,
0.3731


318.5619, 0.3070,
0.3492


 22.6237, 0.2979,
0.3798


 65.3867, 0.3027,
0.3639

 14.3159, 0.2951,
0.3888


 86.8689, 0.3036,
0.3606

 8.3407, 0.2911,
0.4017


 112.6056, 0.3044,
0.3579

 4.3137, 0.2847,
0.4217

142.9813, 0.3051,
0.3556

 1.8506, 0.2731,
0.4564

178.3804, 0.3057,
0.3537

 0.5184, 0.0572,
0.9428

219.1873, 0.3062,

 0.0000, 0.0000,

0.3520

0.0000

265.7863, 0.3066,
0.3505

■ 33.6485, 0.2999,
0.3731

■ 33.6485, 0.2999,
0.3731

■ 32.1601, 0.2948,
0.3954

■ 35.3850, 0.3053,
0.3529

■ 30.9043, 0.2904,
0.4196

■ 37.3761, 0.3108,
0.3348

■ 29.8703, 0.2867,
0.4452

■ 39.6331, 0.3163,
0.3189

■ 29.0444, 0.2843,
0.4715

■ 42.1655, 0.3216,
0.3048

■ 28.4119, 0.2833,
0.4975

■ 44.9823, 0.3267,
0.2926

■ 27.9556, 0.2839,
0.5220

■ 48.0919, 0.3316,
0.2819

■ 27.6554, 0.2861,
0.5439

■ 51.5027, 0.3362,
0.2726

■ 27.5144, 0.2879,
0.5564

■ 54.3016, 0.3364,
0.2636

■ 54.9725, 0.3268,
0.2531

Harmonies

Analogous

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



33.6485, 0.3330, 0.3876



33.6485, 0.2999, 0.3731



33.6485, 0.2713, 0.3448

Triad

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



33.6485, 0.2999, 0.3731



33.6485, 0.2645, 0.2758



33.6485, 0.3751, 0.3396

Complementary

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



33.6485, 0.2999, 0.3731



25.6172, 0.3284, 0.2886

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.



33.6485, 0.3548, 0.3125



33.6485, 0.2999, 0.3731



33.6485, 0.2901, 0.2768

Square

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



33.6485, 0.2999, 0.3731



33.6485, 0.2517, 0.2883



33.6485, 0.3232, 0.2901



33.6485, 0.3774, 0.3656

Rectangle

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



33.6485, 0.2999, 0.3731



33.6485, 0.2583, 0.3233



33.6485, 0.3232, 0.2901



33.6485, 0.3701, 0.3304

Sweetspot

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



33.6499, 0.2999, 0.3731



66.4627, 0.3088, 0.3411



35.7066, 0.3357, 0.3885



14.8270, 0.3085, 0.3421



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.



33.6499, 0.2999, 0.3731



59.6552, 0.2973, 0.3840



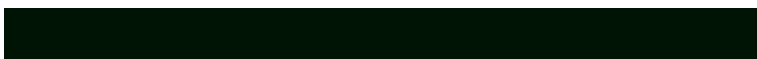
34.2618, 0.2847, 0.3413



8.4443, 0.3076, 0.3450



21.3417, 0.2874, 0.5548



0.5283, 0.2684, 0.4861

Inverse Universe

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



25.6172, 0.3284, 0.2886



42.5916, 0.3326, 0.2797



25.0273, 0.3507, 0.3171



7.6267, 0.3182, 0.3135



7.2541, 0.4154, 0.2062



0.1850, 0.3777, 0.1854

Previews

White Background



This preview shows how the Yxy color 33.6485, 0.2999, 0.3731 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 33.6485, 0.2999, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

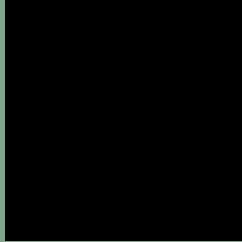
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6485, 0.2999, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 33.6485, 0.2999, 0.3731.



This preview shows how white text looks on a background with the Yxy color 33.6485, 0.2999, 0.3731.

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

33.6485, 0.2999, 0.3731

Protanopia

33.3907, 0.3415, 0.3620

Deuteranopia

33.4333, 0.3486, 0.3420



Tritanopia

33.5323, 0.2770, 0.3090

Trichromacy



Original Color

33.6485, 0.2999, 0.3731

Protanomaly

33.4985, 0.3256, 0.3662

Deuteranomaly

33.0709, 0.3297, 0.3518

Tritanomaly

33.5929, 0.2856, 0.3321

Monochromacy



Original Color

33.6485, 0.2999, 0.3731

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 33.6485, 0.2999, 0.3731 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(127, 166, 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(127, 166, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 166, 139) }
```

Border

The CSS property to change the border of an element to Yxy 33.6485, 0.2999, 0.3731 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, 139) }
```

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

```
.border{ border-color:rgb(127, 166, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 166, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 166, 139);  
box-shadow:4px 4px 4px 4px rgb(127, 166,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6485, 0.2999, 0.3731 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, 139) }
```

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

```
.background{ background-color: rgb(127,  
166, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor