

Converting Colors

$Yxy(33.8997, 0.3207, 0.4665)$

Have a look what the booklet for
Yxy(33.8997, 0.3207, 0.4665)
contains.

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Color

Yxy(33.9748, 0.3204, 0.4671)

Conversions

Conversions Part 1

Format	Color
Hex	6EAD5C
RGB	110, 173, 92
RGB Percent	43%, 68%, 36%
CMY	0.5687, 0.3215, 0.6392
CMYK	0.36, 0.00, 0.47, 0.32
HSL	107°, 33%, 52%
HSV	107°, 47%, 68%
XYZ	23.3045, 33.9748, 15.4563
YIQ	144.9290, -11.5470, -38.5470

Conversions

Conversions Part 2

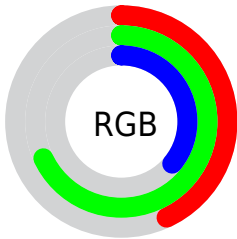
Format	Color
RYB	92, 173, 155
Decimal	7253340
CIELab	64.94, -35.94, 35.23
CIElCh	65, 50.327, 135.578
Yxy	33.9748, 0.3204, 0.4671
Android (android.graphics.Color)	4285443420 (0xFF6EAD5C)
YUV	144.9290, -26.0940, -30.6327
Hunter-Lab	58.2879, -30.6365, 25.0795

Details

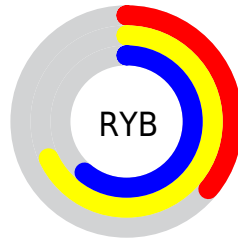
The Yxy color **33.9748, 0.3204, 0.4671** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.6448, 0.2958, 0.2096**, and the grayscale version is **28.3960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9448, 0.3206, 0.4371**, and **14.4772, 0.3165, 0.5183** is the 20% darker color. If you saturate the color by 10%, you get **32.9087, 0.3202, 0.4998**, and if you desaturate by 10%, it is **35.2441, 0.3197, 0.4341**.

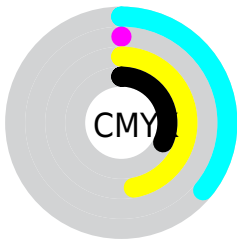
Distribution



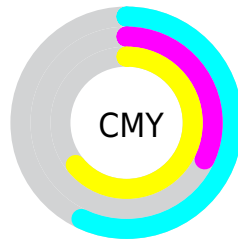
- Red (43%)
- Green (68%)
- Blue (36%)



- Red (36%)
- Yellow (68%)
- Blue (61%)



- Cyan (36%)
- Magenta (0%)
- Yellow (47%)
- Black (32%)



- Cyan (57%)
- Magenta (32%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9748, 0.3204, 0.4671 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 33.9748, 0.3204, 0.4671 by changing the saturation by 10% instead.

 33.9748, 0.3204,
0.4671


 33.9748, 0.3204,
0.4671


320.0197, 0.3194,
0.3904

 22.8742, 0.3192,
0.4887


 65.8945, 0.3210,
0.4374

 14.5007, 0.3165,
0.5178


 87.4824, 0.3209,
0.4268

 8.4697, 0.3106,
0.5587


 113.3349, 0.3207,
0.4180

 4.3969, 0.2993,
0.6236

 143.8363, 0.3204,
0.4107

 1.8980, 0.2680,
0.7320

179.3711, 0.3202,
0.4045

 0.5472, 0.0000,
1.0000

220.3237, 0.3199,

 0.0000, 0.0000,

0.3991

0.0000

267.0784, 0.3196,
0.3945

■ 33.9748, 0.3204,
0.4671

■ 33.9748, 0.3204,
0.4671

■ 32.9087, 0.3202,
0.4998

■ 35.2441, 0.3197,
0.4341

■ 32.0307, 0.3190,
0.5304

■ 36.7220, 0.3183,
0.4023

■ 31.3306, 0.3167,
0.5567


■ 38.4193, 0.3164,
0.3727


■ 30.7953, 0.3134,
0.5768

■ 40.3444, 0.3143,
0.3458

■ 30.4081, 0.3095,
0.5899

■ 42.5056, 0.3120,
0.3216

 30.3090, 0.3085,
0.5933

 44.9105, 0.3096,
0.3003

 47.5666, 0.3073,
0.2815

 50.4810, 0.3051,
0.2651

 53.6603, 0.3030,
0.2507

Harmonies

Analogous

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



33.9748, 0.3932, 0.4658



33.9748, 0.3204, 0.4671



33.9748, 0.2494, 0.4122

Triad

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



33.9748, 0.3204, 0.4671



33.9748, 0.1882, 0.2209



33.9748, 0.4380, 0.3119

Complementary

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



33.9748, 0.3204, 0.4671



17.6448, 0.2958, 0.2096

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.



33.9748, 0.3687, 0.2620



33.9748, 0.3204, 0.4671



33.9748, 0.2253, 0.2115

Square

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



33.9748, 0.3204, 0.4671



33.9748, 0.1791, 0.2593



33.9748, 0.2889, 0.2265



33.9748, 0.4674, 0.3685

Rectangle

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



33.9748, 0.3204, 0.4671



33.9748, 0.2129, 0.3566



33.9748, 0.2889, 0.2265



33.9748, 0.4181, 0.2941

Sweetspot

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



33.9763, 0.3204, 0.4671



69.6494, 0.3159, 0.3655



32.8042, 0.3922, 0.4185



14.9862, 0.3163, 0.3713



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.



33.9763, 0.3204, 0.4671



58.9056, 0.3202, 0.5004



33.3712, 0.2913, 0.4345



9.0219, 0.3148, 0.3522



22.2864, 0.3090, 0.5928



0.6437, 0.3303, 0.5759

Inverse Universe

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



17.6448, 0.2958, 0.2096



26.0818, 0.2905, 0.1855



18.7884, 0.3459, 0.2436



8.0571, 0.3103, 0.3064



6.0027, 0.2662, 0.1240



0.1889, 0.2837, 0.1337

Previews

White Background



This preview shows how the Yxy color 33.9748, 0.3204, 0.4671 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 33.9748, 0.3204, 0.4671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

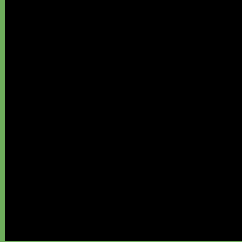
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9748, 0.3204, 0.4671

Background



This preview shows how black text looks on a background with the Yxy color 33.9748, 0.3204, 0.4671.



This preview shows how white text looks on a background with the Yxy color 33.9748, 0.3204, 0.4671.

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

33.9748, 0.3204, 0.4671

Protanopia

33.6701, 0.3955, 0.4300

Deuteranopia

33.6417, 0.4078, 0.3994



Tritanopia

33.7287, 0.2687, 0.3073

Trichromacy



Original Color

33.9748, 0.3204, 0.4671

Protanomaly

33.3830, 0.3656, 0.4448

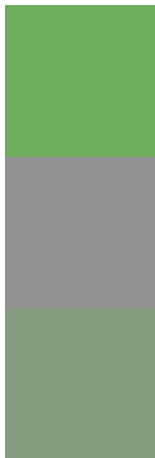
Deuteranomaly

32.8753, 0.3732, 0.4226

Tritanomaly

33.7058, 0.2884, 0.3634

Monochromacy



Original Color

33.9748, 0.3204, 0.4671

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.8546, 0.3163, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9748, 0.3204, 0.4671 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(110, 173, 92)` looks like.

```
.text, #text, p{  
    color:rgb(110, 173, 92)  
}
```

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(110, 173, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 173, 92) }
```

Border

The CSS property to change the border of an element to Yxy 33.9748, 0.3204, 0.4671 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(110, 173, 92) }
```

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

```
.border{ border-color:rgb(110, 173, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 173, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 173, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 173, 92);  
box-shadow:4px 4px 4px 4px rgb(110, 173,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9748, 0.3204, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 173, 92) }
```

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

```
.background{ background-color: rgb(110,  
173, 92) }
```

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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