

Converting Colors

$Yxy(33.3097, 0.3062, 0.4320)$

Have a look what the booklet for
Yxy(33.3097, 0.3062, 0.4320)
contains.

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Color

Yxy(33.1484, 0.3063, 0.4311)

Conversions

Conversions Part 1

Format	Color
Hex	6DAA6F
RGB	109, 170, 111
RGB Percent	43%, 67%, 44%
CMY	0.5725, 0.3333, 0.5648
CMYK	0.36, 0.00, 0.35, 0.33
HSL	122°, 26%, 55%
HSV	122°, 36%, 67%
XYZ	23.5522, 33.1484, 20.1920
YIQ	145.0350, -17.4170, -31.2810

Conversions

Conversions Part 2

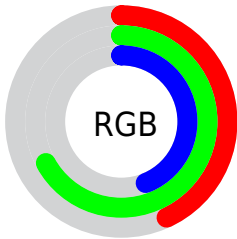
Format	Color
RYB	109, 168, 170
Decimal	7187055
CIELab	64.28, -31.99, 24.36
CIELCh	64, 40.208, 142.705
Yxy	33.1484, 0.3063, 0.4311
Android (android.graphics.Color)	4285377135 (0xFF6DAA6F)
YUV	145.0350, -16.7793, -31.6027
Hunter-Lab	57.5746, -27.7362, 19.5087

Details

The Yxy color **33.1484, 0.3063, 0.4311** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.3170, 0.3190, 0.2445**, and the grayscale version is **28.4074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8236, 0.3089, 0.4094**, and **13.9402, 0.3009, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **31.8440, 0.3044, 0.4653**, and if you desaturate by 10%, it is **34.7309, 0.3082, 0.3988**.

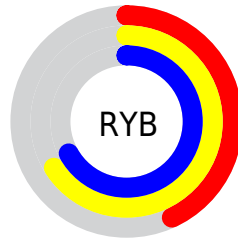
Distribution



Red (43%)

Green (67%)

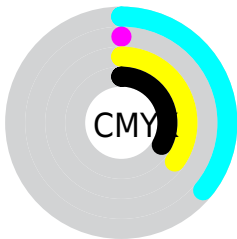
Blue (44%)



Red (43%)

Yellow (66%)

Blue (67%)

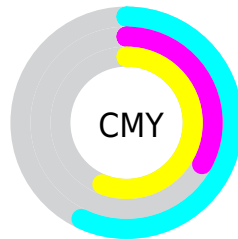


Cyan (36%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (57%)

Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1484, 0.3063, 0.4311 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 33.1484, 0.3063, 0.4311 by changing the saturation by 10% instead.


 33.1484, 0.3063,
0.4311


 33.1484, 0.3063,
0.4311


316.3179, 0.3113,
0.3744


 22.2402, 0.3042,
0.4474


 64.6071, 0.3087,
0.4090


 14.0335, 0.3010,
0.4696


 85.9264, 0.3094,
0.4011

 8.1439, 0.2953,
0.5017


 111.4849, 0.3099,
0.3947

 4.1872, 0.2845,
0.5513

 141.6668, 0.3103,
0.3893

 1.7788, 0.2866,
0.7062

176.8567, 0.3106,
0.3847

 0.4739, 0.0000,
1.0000

217.4389, 0.3109,

 0.0000, 0.0000,

0.3808

0.0000

263.7979, 0.3111,
0.3774

■ 33.1484, 0.3063,
0.4311

■ 33.1484, 0.3063,
0.4311

■ 31.8440, 0.3044,
0.4653

■ 34.7309, 0.3082,
0.3988

■ 30.7977, 0.3027,
0.4996

■ 36.6018, 0.3100,
0.3693

■ 29.9936, 0.3012,
0.5321

■ 38.7759, 0.3118,
0.3429


■ 29.4124, 0.3002,
0.5600


■ 41.2659, 0.3133,
0.3198

■ 29.0315, 0.2996,
0.5811


■ 44.0836, 0.3148,
0.2998

 28.8222, 0.2996,
0.5942

 47.2405, 0.3160,
0.2825

 28.7616, 0.2994,
0.5978

 50.7471, 0.3172,
0.2677

 54.6139, 0.3182,
0.2550

 57.2296, 0.3166,
0.2460

Harmonies

Analogous

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



33.1484, 0.3672, 0.4434



33.1484, 0.3063, 0.4311



33.1484, 0.2502, 0.3801

Triad

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



33.1484, 0.3063, 0.4311



33.1484, 0.2146, 0.2361



33.1484, 0.4227, 0.3276

Complementary

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



33.1484, 0.3063, 0.4311



22.3170, 0.3190, 0.2445

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.



33.1484, 0.3733, 0.2831



33.1484, 0.3063, 0.4311



33.1484, 0.2519, 0.2323

Square

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



33.1484, 0.3063, 0.4311



33.1484, 0.2012, 0.2635



33.1484, 0.3090, 0.2494



33.1484, 0.4381, 0.3758

Rectangle

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



33.1484, 0.3063, 0.4311



33.1484, 0.2228, 0.3363



33.1484, 0.3090, 0.2494



33.1484, 0.4093, 0.3120

Sweetspot

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



33.1498, 0.3063, 0.4311



68.1815, 0.3109, 0.3566



38.2875, 0.3645, 0.4167



15.0912, 0.3106, 0.3601



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.



33.1498, 0.3063, 0.4311



58.2322, 0.3048, 0.4580



33.9114, 0.2842, 0.3785



8.4115, 0.3112, 0.3515



21.1589, 0.2993, 0.5973



0.5160, 0.2959, 0.5853

Inverse Universe

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



22.3170, 0.3190, 0.2445



35.6469, 0.3205, 0.2269



21.3379, 0.3558, 0.2847



7.6624, 0.3142, 0.3074



8.2739, 0.3290, 0.1586



0.2025, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 33.1484, 0.3063, 0.4311 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 33.1484, 0.3063, 0.4311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

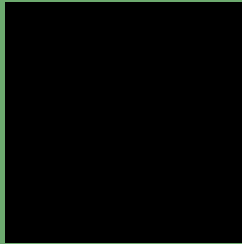
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1484, 0.3063, 0.4311

Background



This preview shows how black text looks on a background with the Yxy color 33.1484, 0.3063, 0.4311.



This preview shows how white text looks on a background with the Yxy color 33.1484, 0.3063, 0.4311.

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

33.1484, 0.3063, 0.4311

Protanopia

32.7874, 0.3742, 0.4033

Deuteranopia

32.8231, 0.3827, 0.3758



Tritanopia

33.0008, 0.2668, 0.3085

Trichromacy



Original Color

33.1484, 0.3063, 0.4311

Protanomaly

32.4062, 0.3477, 0.4134

Deuteranomaly

32.3968, 0.3519, 0.3958

Tritanomaly

32.9592, 0.2812, 0.3503

Monochromacy



Original Color

33.1484, 0.3063, 0.4311

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.7102, 0.3101, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1484, 0.3063, 0.4311 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(109, 170, 111)` looks like.

```
.text, #text, p{  
    color:rgb(109, 170, 111)  
}
```

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(109, 170, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 170, 111) }
```

Border

The CSS property to change the border of an element to Yxy 33.1484, 0.3063, 0.4311 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(109, 170, 111) }
```

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

```
.border{ border-color:rgb(109, 170, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 170, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 170, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 170, 111);  
box-shadow:4px 4px 4px 4px rgb(109, 170,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1484, 0.3063, 0.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 170, 111) }
```

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

```
.background{ background-color: rgb(109,  
170, 111) }
```

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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