

Converting Colors

$Yxy(30.6080, 0.3408, 0.4284)$

Have a look what the booklet for
Yxy(30.6080, 0.3408, 0.4284)
contains.

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Color

Yxy(30.6837, 0.3404, 0.4294)

Conversions

Conversions Part 1

Format	Color
Hex	859F63
RGB	133, 159, 99
RGB Percent	52%, 62%, 39%
CMY	0.4784, 0.3765, 0.6117
CMYK	0.16, 0.00, 0.38, 0.38
HSL	86°, 24%, 51%
HSV	86°, 38%, 62%
XYZ	24.3240, 30.6837, 16.4494
YIQ	144.3860, 3.7640, -24.1720

Conversions

Conversions Part 2

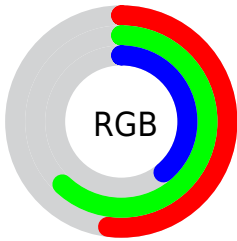
Format	Color
RYB	99, 159, 125
Decimal	8757091
CIELab	62.24, -19.79, 28.38
CIElCh	62, 34.599, 124.898
Yxy	30.6837, 0.3404, 0.4294
Android (android.graphics.Color)	4286947171 (0xFF859F63)
YUV	144.3860, -22.3753, -9.9855
Hunter-Lab	55.3929, -18.5549, 21.1683

Details

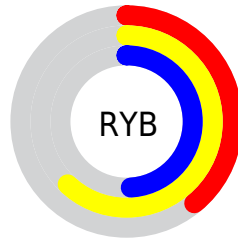
The Yxy color **30.6837, 0.3404, 0.4294** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.7922, 0.2748, 0.2262**, and the grayscale version is **28.1460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8599, 0.3362, 0.4088**, and **12.5482, 0.3464, 0.4657** is the 20% darker color. If you saturate the color by 10%, you get **29.8675, 0.3462, 0.4578**, and if you desaturate by 10%, it is **31.5993, 0.3336, 0.4010**.

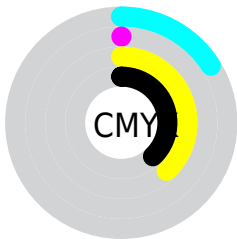
Distribution



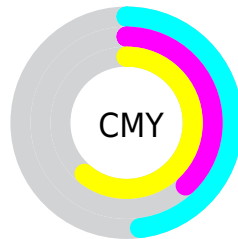
- Red (52%)
- Green (62%)
- Blue (39%)



- Red (39%)
- Yellow (62%)
- Blue (49%)



- Cyan (16%)
- Magenta (0%)
- Yellow (38%)
- Black (38%)




- Cyan (48%)
- Magenta (38%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6837, 0.3404, 0.4294 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 30.6837, 0.3404, 0.4294 by changing the saturation by 10% instead.


 30.6837, 0.3404,
0.4294


 30.6837, 0.3404,
0.4294


305.0785, 0.3271,
0.3739

 20.3581, 0.3432,
0.4451


 60.7417, 0.3358,
0.4079


 12.6556, 0.3464,
0.4662


 81.2430, 0.3340,
0.4003

 7.1918, 0.3493,
0.4962


 105.9049, 0.3325,
0.3939

 3.5824, 0.3515,
0.5429

 135.1119, 0.3311,
0.3886

 1.4428, 0.3580,
0.6420

169.2484, 0.3299,
0.3841

 0.2479, 0.0000,
1.0000

208.6987, 0.3289,

 0.0000, 0.0000,

0.3803

0.0000

253.8473, 0.3279,
0.3769

■ 30.6837, 0.3404,
0.4294

■ 30.6837, 0.3404,
0.4294

■ 29.8675, 0.3462,
0.4578

■ 31.5993, 0.3336,
0.4010

■ 29.1423, 0.3506,
0.4852

■ 32.6143, 0.3262,
0.3736

■ 28.5051, 0.3531,
0.5103

■ 33.7335, 0.3186,
0.3477

■ 27.9505, 0.3535,
0.5316

■ 34.9605, 0.3110,
0.3237


■ 27.4728, 0.3516,
0.5483

■ 36.2985, 0.3036,
0.3017


 27.0623, 0.3478,
0.5603

 37.7507, 0.2965,
0.2818

 26.9748, 0.3468,
0.5628

 39.3201, 0.2898,
0.2639

 41.0095, 0.2836,
0.2478

 42.8217, 0.2778,
0.2334

Harmonies

Analogous

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



30.6837, 0.3898, 0.4211



30.6837, 0.3404, 0.4294



30.6837, 0.2860, 0.4032

Triad

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



30.6837, 0.3404, 0.4294



30.6837, 0.2150, 0.2585



30.6837, 0.3867, 0.3038

Complementary

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



30.6837, 0.3404, 0.4294



15.7922, 0.2748, 0.2262

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.



30.6837, 0.3331, 0.2685



30.6837, 0.3404, 0.4294



30.6837, 0.2362, 0.2421

Square

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



30.6837, 0.3404, 0.4294



30.6837, 0.2165, 0.2966



30.6837, 0.2779, 0.2464



30.6837, 0.4194, 0.3463

Rectangle

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



30.6837, 0.3404, 0.4294



30.6837, 0.2544, 0.3698



30.6837, 0.2779, 0.2464



30.6837, 0.3702, 0.2909

Sweetspot

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



30.6850, 0.3404, 0.4294



59.6915, 0.3213, 0.3565



22.9428, 0.3865, 0.3712



13.3998, 0.3222, 0.3598



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.6850, 0.3404, 0.4294



53.7489, 0.3452, 0.4526



28.5830, 0.3111, 0.4391



7.5771, 0.3198, 0.3515



21.3299, 0.3474, 0.5624



0.4061, 0.3765, 0.5392

Inverse Universe

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



15.7922, 0.2748, 0.2262



23.2876, 0.2642, 0.2018



18.3996, 0.3119, 0.2368



6.5688, 0.3052, 0.3063



2.9980, 0.1921, 0.0832



0.0781, 0.2384, 0.1087

Previews

White Background



This preview shows how the Yxy color 30.6837, 0.3404, 0.4294 looks on a white background.

Color Contrast Check

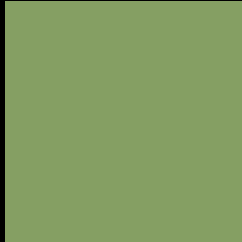
Large Text (above 18pt) WCAG AA × Fail

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 30.6837, 0.3404, 0.4294 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 30.6837, 0.3404, 0.4294

Background



This preview shows how black text looks on a background with the Yxy color 30.6837, 0.3404, 0.4294.



This preview shows how white text looks on a background with the Yxy color 30.6837, 0.3404, 0.4294.

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

30.6837, 0.3404, 0.4294

Protanopia

30.4438, 0.3799, 0.4113

Deuteranopia

30.4895, 0.3956, 0.3895



Tritanopia

30.5283, 0.2931, 0.3103

Trichromacy



Original Color

30.6837, 0.3404, 0.4294

Protanomaly

30.3209, 0.3651, 0.4177

Deuteranomaly

30.1159, 0.3745, 0.4028

Tritanomaly

30.4936, 0.3107, 0.3517

Monochromacy



Original Color

30.6837, 0.3404, 0.4294

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.6289, 0.3235, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6837, 0.3404, 0.4294 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(133, 159, 99)` looks like.

```
.text, #text, p{  
    color:rgb(133, 159, 99)  
}
```

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(133, 159, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 159, 99) }
```

Border

The CSS property to change the border of an element to Yxy 30.6837, 0.3404, 0.4294 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(133, 159, 99) }
```

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

```
.border{ border-color:rgb(133, 159, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 159, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 159, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 159, 99);  
box-shadow:4px 4px 4px 4px rgb(133, 159,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6837, 0.3404, 0.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 159, 99) }
```

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

```
.background{ background-color: rgb(133,  
159, 99) }
```

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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