

Converting Colors

$Yxy(33.3253, 0.3323, 0.4470)$

Have a look what the booklet for
Yxy(33.3253, 0.3323, 0.4470)
contains.

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Color

Yxy(33.3040, 0.3324, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	7EA861
RGB	126, 168, 97
RGB Percent	49%, 66%, 38%
CMY	0.5059, 0.3412, 0.6195
CMYK	0.25, 0.00, 0.42, 0.34
HSL	95°, 29%, 52%
HSV	95°, 42%, 66%
XYZ	24.7657, 33.3040, 16.4359
YIQ	147.3480, -2.2410, -30.9850

Conversions

Conversions Part 2

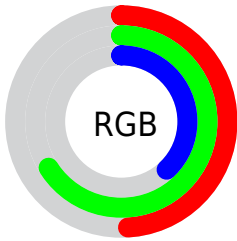
Format	Color
RYB	97, 168, 139
Decimal	8300641
CIELab	64.41, -27.22, 32.14
CIElCh	64, 42.122, 130.264
Yxy	33.3040, 0.3324, 0.4470
Android (android.graphics.Color)	4286490721 (0xFF7EA861)
YUV	147.3480, -24.8216, -18.7222
Hunter-Lab	57.7096, -24.3899, 23.5107

Details

The Yxy color **33.3040, 0.3324, 0.4470** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.8698, 0.2819, 0.2163**, and the grayscale version is **29.4364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6486, 0.3298, 0.4211**, and **14.2084, 0.3340, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **32.3060, 0.3351, 0.4776**, and if you desaturate by 10%, it is **34.4464, 0.3286, 0.4165**.

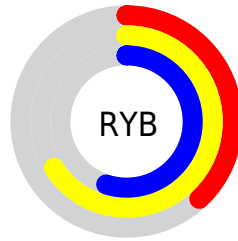
Distribution



Red (49%)

Green (66%)

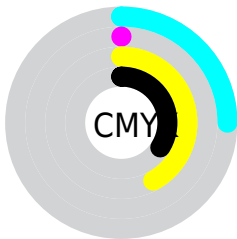
Blue (38%)



Red (38%)

Yellow (66%)

Blue (55%)

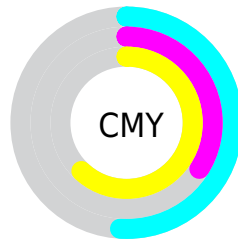


Cyan (25%)

Magenta (0%)

Yellow (42%)

Black (34%)



Cyan (51%)


Magenta (34%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3040, 0.3324, 0.4470 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 33.3040, 0.3324, 0.4470 by changing the saturation by 10% instead.


 33.3040, 0.3324,
0.4470


 33.3040, 0.3324,
0.4470


317.0174, 0.3242,
0.3820

 22.3594, 0.3335,
0.4652


 64.8499, 0.3300,
0.4219

 14.1212, 0.3341,
0.4897


 86.2199, 0.3289,
0.4129

 8.2050, 0.3333,
0.5240

 111.8340, 0.3279,
0.4055

 4.2264, 0.3290,
0.5763

 142.0764, 0.3270,
0.3993

 1.8010, 0.3210,
0.6790

177.3315, 0.3262,
0.3940

 0.4878, 0.0000,
1.0000

217.9838, 0.3255,

 0.0000, 0.0000,

0.3894

0.0000

264.4176, 0.3248,
0.3855

■ 33.3040, 0.3324,
0.4470

■ 33.3040, 0.3324,
0.4470

■ 32.3060, 0.3351,
0.4776

■ 34.4464, 0.3286,
0.4165

■ 31.4415, 0.3364,
0.5068

■ 35.7347, 0.3240,
0.3872

■ 30.7051, 0.3359,
0.5330


■ 37.1761, 0.3190,
0.3596

■ 30.0890, 0.3335,
0.5546

■ 38.7756, 0.3139,
0.3344

■ 29.5843, 0.3294,
0.5705


■ 40.5384, 0.3087,
0.3115

 29.2569, 0.3255,
0.5797

 42.4691, 0.3037,
0.2909

 44.5724, 0.2989,
0.2726

 46.8525, 0.2944,
0.2563

 49.3137, 0.2901,
0.2419

Harmonies

Analogous

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



33.3040, 0.3929, 0.4415



33.3040, 0.3324, 0.4470



33.3040, 0.2698, 0.4087

Triad

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



33.3040, 0.3324, 0.4470



33.3040, 0.2018, 0.2407



33.3040, 0.4098, 0.3072

Complementary

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



33.3040, 0.3324, 0.4470



16.8698, 0.2819, 0.2163

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.



33.3040, 0.3485, 0.2649



33.3040, 0.3324, 0.4470



33.3040, 0.2304, 0.2273

Square

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



33.3040, 0.3324, 0.4470



33.3040, 0.1986, 0.2798



33.3040, 0.2821, 0.2365



33.3040, 0.4421, 0.3565

Rectangle

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



33.3040, 0.3324, 0.4470



33.3040, 0.2354, 0.3653



33.3040, 0.2821, 0.2365



33.3040, 0.3915, 0.2920

Sweetspot

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



33.3054, 0.3324, 0.4470



67.1892, 0.3195, 0.3623



27.4876, 0.3916, 0.3920



14.5190, 0.3206, 0.3680



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.



33.3054, 0.3324, 0.4470



58.6760, 0.3351, 0.4766



31.5262, 0.3025, 0.4461



8.5517, 0.3175, 0.3519



22.1216, 0.3263, 0.5792



0.5683, 0.3543, 0.5569

Inverse Universe

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



16.8698, 0.2819, 0.2163



24.6970, 0.2724, 0.1895



19.4893, 0.3247, 0.2348



7.5116, 0.3075, 0.3063



4.1854, 0.2229, 0.1001



0.1306, 0.2558, 0.1183

Previews

White Background



This preview shows how the Yxy color 33.3040, 0.3324, 0.4470 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 33.3040, 0.3324, 0.4470 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 33.3040, 0.3324, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 33.3040, 0.3324, 0.4470.



This preview shows how white text looks on a background with the Yxy color 33.3040, 0.3324, 0.4470.

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

33.3040, 0.3324, 0.4470

Protanopia

33.0957, 0.3877, 0.4221

Deuteranopia

32.9993, 0.4023, 0.3952



Tritanopia

33.0932, 0.2817, 0.3090

Trichromacy



Original Color

33.3040, 0.3324, 0.4470

Protanomaly

32.8198, 0.3664, 0.4308

Deuteranomaly

32.6964, 0.3751, 0.4128

Tritanomaly

32.8715, 0.3003, 0.3563

Monochromacy



Original Color

33.3040, 0.3324, 0.4470

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5166, 0.3206, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3040, 0.3324, 0.4470 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(126, 168, 97)` looks like.

```
.text, #text, p{  
    color:rgb(126, 168, 97)  
}
```

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(126, 168, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 168, 97) }
```

Border

The CSS property to change the border of an element to Yxy 33.3040, 0.3324, 0.4470 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(126, 168, 97) }
```

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

```
.border{ border-color:rgb(126, 168, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 168, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 168, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 168, 97);  
box-shadow:4px 4px 4px 4px rgb(126, 168,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3040, 0.3324, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 168, 97) }
```

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

```
.background{ background-color: rgb(126,  
168, 97) }
```

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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