

Converting Colors

Yxy(33.1400, 0.3309, 0.4119)

Have a look what the booklet for
Yxy(33.1400, 0.3309, 0.4119)
contains.

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Color

Yxy(33.0615, 0.3312, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	89A471
RGB	137, 164, 113
RGB Percent	54%, 64%, 44%
CMY	0.4626, 0.3569, 0.5568
CMYK	0.16, 0.00, 0.31, 0.36
HSL	92°, 22%, 54%
HSV	92°, 31%, 64%
XYZ	26.5776, 33.0615, 20.6073
YIQ	150.1130, 0.2790, -21.5850

Conversions

Conversions Part 2

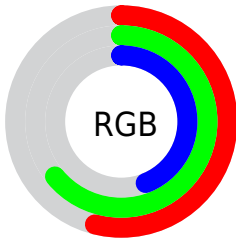
Format	Color
RYB	113, 164, 140
Decimal	9020529
CIELab	64.21, -18.77, 23.47
CIELCh	64, 30.052, 128.663
Yxy	33.0615, 0.3312, 0.4120
Android (android.graphics.Color)	4287210609 (0xFF89A471)
YUV	150.1130, -18.2967, -11.5001
Hunter-Lab	57.4991, -18.1161, 19.0003

Details

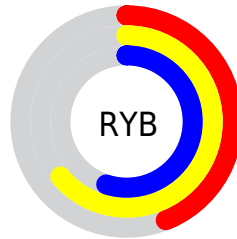
The Yxy color **33.0615, 0.3312, 0.4120** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.0666, 0.2882, 0.2470**, and the grayscale version is **30.6324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4560, 0.3283, 0.3948**, and **13.9369, 0.3354, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **32.0223, 0.3361, 0.4417**, and if you desaturate by 10%, it is **34.2292, 0.3256, 0.3834**.

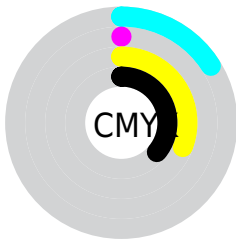
Distribution



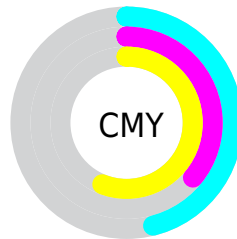
- Red (54%)
- Green (64%)
- Blue (44%)



- Red (44%)
- Yellow (64%)
- Blue (55%)



- Cyan (16%)
- Magenta (0%)
- Yellow (31%)
- Black (36%)





- Cyan (46%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0615, 0.3312, 0.4120 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 33.0615, 0.3312, 0.4120 by changing the saturation by 10% instead.


 33.0615, 0.3312,
0.4120

 33.0615, 0.3312,
0.4120


315.9268, 0.3224,
0.3667


 22.1736, 0.3331,
0.4247


 64.4715, 0.3282,
0.3945

 13.9845, 0.3352,
0.4418


 85.7624, 0.3270,
0.3883

 8.1099, 0.3374,
0.4661


 111.2897, 0.3260,
0.3831

 4.1653, 0.3388,
0.5027

 141.4379, 0.3251,
0.3788

 1.7665, 0.3640,
0.6110

176.5913, 0.3243,
0.3751

 0.4661, 0.0000,
1.0000

217.1343, 0.3236,

 0.0000, 0.0000,

0.3719

0.0000

263.4513, 0.3230,
0.3691

■ 33.0615, 0.3312,
0.4120

■ 33.0615, 0.3312,
0.4120

■ 32.0223, 0.3361,
0.4417

■ 34.2292, 0.3256,
0.3834

■ 31.1024, 0.3400,
0.4713

■ 35.5258, 0.3195,
0.3564

■ 30.2979, 0.3423,
0.4997


■ 36.9571, 0.3134,
0.3316


■ 29.6027, 0.3428,
0.5254

■ 38.5274, 0.3073,
0.3089


■ 29.0106, 0.3412,
0.5468


■ 40.2404, 0.3014,
0.2885

 28.5139, 0.3376,
0.5629

 42.1002, 0.2958,
0.2702

 28.1382, 0.3334,
0.5735

 44.1102, 0.2906,
0.2539

 46.2741, 0.2857,
0.2394

 48.2286, 0.2849,
0.2314

Harmonies

Analogous

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



33.0615, 0.3743, 0.4097



33.0615, 0.3312, 0.4120



33.0615, 0.2851, 0.3864

Triad

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



33.0615, 0.3312, 0.4120



33.0615, 0.2298, 0.2662



33.0615, 0.3801, 0.3123

Complementary

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



33.0615, 0.3312, 0.4120



20.0666, 0.2882, 0.2470

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.



33.0615, 0.3364, 0.2802



33.0615, 0.3312, 0.4120



33.0615, 0.2508, 0.2538

Square

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



33.0615, 0.3312, 0.4120



33.0615, 0.2288, 0.2972



33.0615, 0.2888, 0.2593



33.0615, 0.4047, 0.3496

Rectangle

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



33.0615, 0.3312, 0.4120



33.0615, 0.2588, 0.3577



33.0615, 0.2888, 0.2593



33.0615, 0.3669, 0.3007

Sweetspot

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



33.0629, 0.3312, 0.4120



64.9693, 0.3184, 0.3515



27.6524, 0.3689, 0.3700



14.1275, 0.3192, 0.3551



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.0629, 0.3312, 0.4120



58.7458, 0.3346, 0.4315



31.2724, 0.3079, 0.4165



8.0510, 0.3184, 0.3517



21.6046, 0.3341, 0.5729



0.4820, 0.3638, 0.5494

Inverse Universe

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



20.0666, 0.2882, 0.2470



31.5082, 0.2816, 0.2280



22.3549, 0.3172, 0.2547



7.0356, 0.3066, 0.3063



3.6271, 0.2099, 0.0930



0.1041, 0.2501, 0.1151

Previews

White Background



This preview shows how the Yxy color 33.0615, 0.3312, 0.4120 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 33.0615, 0.3312, 0.4120 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 33.0615, 0.3312, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 33.0615, 0.3312, 0.4120.



This preview shows how white text looks on a background with the Yxy color 33.0615, 0.3312, 0.4120.

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

33.0615, 0.3312, 0.4120

Protanopia

32.8716, 0.3704, 0.3975

Deuteranopia

32.8231, 0.3827, 0.3758



Tritanopia

32.9983, 0.2910, 0.3108

Trichromacy



Original Color

33.0615, 0.3312, 0.4120

Protanomaly

32.7476, 0.3563, 0.4031

Deuteranomaly

32.4560, 0.3628, 0.3877

Tritanomaly

33.0623, 0.3053, 0.3462

Monochromacy



Original Color

33.0615, 0.3312, 0.4120

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.2686, 0.3193, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0615, 0.3312, 0.4120 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(137, 164, 113)` looks like.

```
.text, #text, p{  
    color:rgb(137, 164, 113)  
}
```

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(137, 164, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 164, 113) }
```

Border

The CSS property to change the border of an element to Yxy 33.0615, 0.3312, 0.4120 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(137, 164, 113) }
```

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

```
.border{ border-color:rgb(137, 164, 113) }
```

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

Here you see how a box with a 4 pixel rgb(137, 164, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 164, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 164, 113);  
box-shadow:4px 4px 4px 4px rgb(137, 164,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0615, 0.3312, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 164, 113) }
```

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

```
.background{ background-color: rgb(137,  
164, 113) }
```

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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