

Converting Colors

$Yxy(32.9821, 0.3165, 0.4278)$

Have a look what the booklet for
Yxy(32.9821, 0.3165, 0.4278)
contains.

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Color

Yxy(33.0530, 0.3159, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	77A86E
RGB	119, 168, 110
RGB Percent	47%, 66%, 43%
CMY	0.5333, 0.3412, 0.5687
CMYK	0.29, 0.00, 0.35, 0.34
HSL	111°, 25%, 55%
HSV	111°, 35%, 66%
XYZ	24.4244, 33.0530, 19.8395
YIQ	146.7370, -10.5860, -28.4260

Conversions

Conversions Part 2

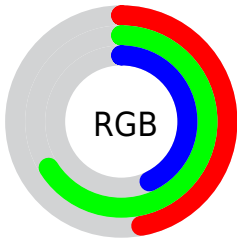
Format	Color
RYB	110, 168, 159
Decimal	7841902
CIELab	64.20, -27.82, 24.90
CIELCh	64, 37.338, 138.177
Yxy	33.0530, 0.3159, 0.4275
Android (android.graphics.Color)	4286031982 (0xFF77A86E)
YUV	146.7370, -18.1113, -24.3253
Hunter-Lab	57.4917, -24.7777, 19.7841

Details

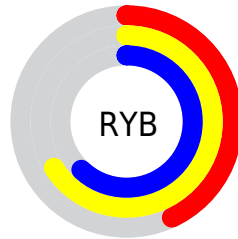
The Yxy color **33.0530, 0.3159, 0.4275** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.3452, 0.3060, 0.2425**, and the grayscale version is **29.1431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2682, 0.3166, 0.4058**, and **14.0675, 0.3131, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **31.7924, 0.3160, 0.4610**, and if you desaturate by 10%, it is **34.5357, 0.3153, 0.3957**.

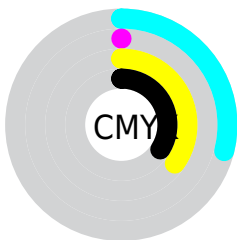
Distribution



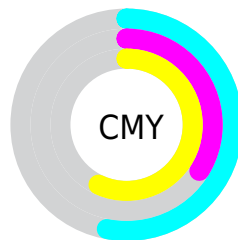
- Red (47%)
- Green (66%)
- Blue (43%)



- Red (43%)
- Yellow (66%)
- Blue (62%)



- Cyan (29%)
- Magenta (0%)
- Yellow (35%)
- Black (34%)





- Cyan (53%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0530, 0.3159, 0.4275 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 33.0530, 0.3159, 0.4275 by changing the saturation by 10% instead.


 33.0530, 0.3159,
0.4275

 33.0530, 0.3159,
0.4275


315.8885, 0.3157,
0.3730

 22.1671, 0.3153,
0.4430


 64.4583, 0.3163,
0.4063


 13.9797, 0.3139,
0.4641


 85.7464, 0.3163,
0.3988

 8.1065, 0.3110,
0.4944


 111.2707, 0.3162,
0.3926

 4.1632, 0.3041,
0.5409

 141.4155, 0.3161,
0.3874

 1.7653, 0.3159,
0.6841

176.5653, 0.3160,
0.3830

 0.4654, 0.0000,
1.0000

217.1045, 0.3159,

 0.0000, 0.0000,

0.3792

0.0000

263.4174, 0.3158,
0.3759

■ 33.0530, 0.3159,
0.4275

■ 33.0530, 0.3159,
0.4275

■ 31.7924, 0.3160,
0.4610

■ 34.5357, 0.3153,
0.3957

■ 30.7391, 0.3154,
0.4946

■ 36.2461, 0.3144,
0.3664

■ 29.8831, 0.3141,
0.5266

■ 38.1948, 0.3133,
0.3400


■ 29.2118, 0.3120,
0.5544


■ 40.3905, 0.3120,
0.3166


■ 28.7111, 0.3093,
0.5762


■ 42.8416, 0.3107,
0.2960


 28.3648, 0.3062,
0.5905

 45.5559, 0.3093,
0.2781

 28.2279, 0.3048,
0.5962

 48.5409, 0.3079,
0.2624

 51.8040, 0.3067,
0.2489

 54.9469, 0.3100,
0.2423

Harmonies

Analogous

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



33.0530, 0.3721, 0.4338



33.0530, 0.3159, 0.4275



33.0530, 0.2617, 0.3850

Triad

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



33.0530, 0.3159, 0.4275



33.0530, 0.2173, 0.2446



33.0530, 0.4096, 0.3215

Complementary

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



33.0530, 0.3159, 0.4275



21.3452, 0.3060, 0.2425

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.



33.0530, 0.3605, 0.2805



33.0530, 0.3159, 0.4275



33.0530, 0.2494, 0.2375

Square

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



33.0530, 0.3159, 0.4275



33.0530, 0.2083, 0.2742



33.0530, 0.3006, 0.2507



33.0530, 0.4296, 0.3668

Rectangle

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



33.0530, 0.3159, 0.4275



33.0530, 0.2338, 0.3453



33.0530, 0.3006, 0.2507



33.0530, 0.3958, 0.3070

Sweetspot

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



33.0544, 0.3159, 0.4275



67.2548, 0.3140, 0.3545



34.0186, 0.3679, 0.4005



14.5568, 0.3141, 0.3581



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.



33.0544, 0.3159, 0.4275



58.2872, 0.3160, 0.4516



32.9144, 0.2932, 0.3952



8.4617, 0.3139, 0.3522



21.3305, 0.3052, 0.5958



0.5350, 0.3229, 0.5818

Inverse Universe

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



21.3452, 0.3060, 0.2425



33.9581, 0.3040, 0.2244



21.6330, 0.3399, 0.2711



7.6067, 0.3114, 0.3066



6.4881, 0.2826, 0.1330



0.1732, 0.2961, 0.1405

Previews

White Background



This preview shows how the Yxy color 33.0530, 0.3159, 0.4275 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 33.0530, 0.3159, 0.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

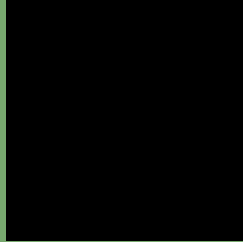
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0530, 0.3159, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 33.0530, 0.3159, 0.4275.



This preview shows how white text looks on a background with the Yxy color 33.0530, 0.3159, 0.4275.

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

33.0530, 0.3159, 0.4275

Protanopia

32.7874, 0.3742, 0.4033

Deuteranopia

32.7771, 0.3848, 0.3786



Tritanopia

32.9046, 0.2751, 0.3088

Trichromacy



Original Color

33.0530, 0.3159, 0.4275

Protanomaly

32.6872, 0.3508, 0.4125

Deuteranomaly

32.4428, 0.3575, 0.3949

Tritanomaly

32.8320, 0.2901, 0.3500

Monochromacy



Original Color

33.0530, 0.3159, 0.4275

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.4823, 0.3141, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0530, 0.3159, 0.4275 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(119, 168, 110)` looks like.

```
.text, #text, p{  
    color:rgb(119, 168, 110)  
}
```

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(119, 168, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 168, 110) }
```

Border

The CSS property to change the border of an element to Yxy 33.0530, 0.3159, 0.4275 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(119, 168, 110) }
```

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

```
.border{ border-color:rgb(119, 168, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 168, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 168, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 168, 110);  
box-shadow:4px 4px 4px 4px rgb(119, 168,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0530, 0.3159, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 168, 110) }
```

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

```
.background{ background-color: rgb(119,  
168, 110) }
```

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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