

Converting Colors

$Yxy(33.5534, 0.3168, 0.4122)$

Have a look what the booklet for
Yxy(33.5534, 0.3168, 0.4122)
contains.

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Color

Yxy(33.3574, 0.3168, 0.4123)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7EA775 |
| RGB | 126, 167, 117 |
| RGB Percent | 49%, 65%, 46% |
| CMY | 0.5060, 0.3451, 0.5412 |
| CMYK | 0.25, 0.00, 0.30, 0.35 |
| HSL | 109°, 22%, 56% |
| HSV | 109°, 30%, 65% |
| XYZ | 25.6309, 33.3574, 21.9173 |
| YIQ | 149.0410, -8.3860, -24.2420 |

Conversions

Conversions Part 2

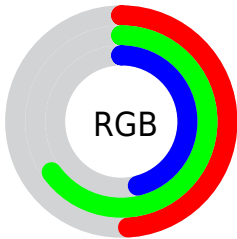
| Format | Color |
|-------------------------------------|--|
| RYB | 117, 167, 158 |
| Decimal | 8300405 |
| CIELab | 64.45, -23.73, 21.49 |
| CIELCh | 64, 32.019, 137.834 |
| Yxy | 33.3574, 0.3168, 0.4123 |
| Android (android.graphics.Color) | 4286490485 (0xFF7EA775) |
| YUV | 149.0410, -15.7962, -20.2070 |
| Hunter-Lab | 57.7559, -21.8580, 17.9296 |

Details

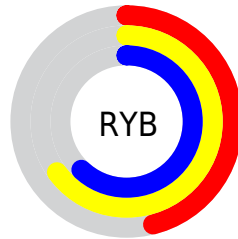
The Yxy color **33.3574, 0.3168, 0.4123** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.7861, 0.3058, 0.2539**, and the grayscale version is **30.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8104, 0.3173, 0.3947**, and **14.2153, 0.3169, 0.4436** is the 20% darker color. If you saturate the color by 10%, you get **32.0292, 0.3174, 0.4449**, and if you desaturate by 10%, it is **34.9013, 0.3157, 0.3817**.

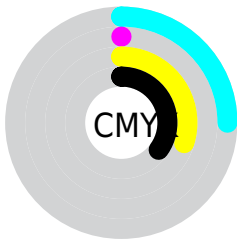
Distribution



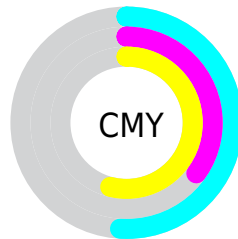
- Red (49%)
- Green (65%)
- Blue (46%)



- Red (46%)
- Yellow (65%)
- Blue (62%)



- Cyan (25%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)




- Cyan (51%)
- Magenta (35%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3574, 0.3168, 0.4123 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 33.3574, 0.3168, 0.4123 by changing the saturation by 10% instead.


 33.3574, 0.3168,
0.4123


 33.3574, 0.3168,
0.4123


317.2571, 0.3157,
0.3665


 22.4004, 0.3166,
0.4252


 64.9331, 0.3167,
0.3946

 14.1514, 0.3160,
0.4428


 86.3206, 0.3166,
0.3883

 8.2260, 0.3145,
0.4680


 111.9537, 0.3164,
0.3831

 4.2399, 0.3105,
0.5068

142.2168, 0.3163,
0.3787

 1.8087, 0.3158,
0.6044

177.4943, 0.3161,
0.3750

 0.4926, 0.0000,
1.0000

218.1706, 0.3160,

 0.0000, 0.0000,

0.3718

0.0000

264.6301, 0.3158,
0.3690

■ 33.3574, 0.3168,
0.4123

■ 33.3574, 0.3168,
0.4123

■ 32.0292, 0.3174,
0.4449

■ 34.9013, 0.3157,
0.3817

■ 30.9029, 0.3174,
0.4784

■ 36.6654, 0.3143,
0.3539

■ 29.9696, 0.3166,
0.5111


■ 38.6596, 0.3127,
0.3289


■ 29.2183, 0.3149,
0.5410


■ 40.8919, 0.3110,
0.3068

■ 28.6366, 0.3124,
0.5657


■ 43.3696, 0.3093,
0.2874

 28.2105, 0.3092,
0.5836

 46.1002, 0.3076,
0.2704

 27.9177, 0.3061,
0.5951

 49.0905, 0.3060,
0.2557

 27.9163, 0.3061,
0.5952

 52.3471, 0.3045,
0.2428

 55.0580, 0.3122,
0.2419

Harmonies

Analogous

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



33.3574, 0.3650, 0.4185



33.3574, 0.3168, 0.4123



33.3574, 0.2697, 0.3769

Triad

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



33.3574, 0.3168, 0.4123



33.3574, 0.2297, 0.2564



33.3574, 0.3951, 0.3228

Complementary

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



33.3574, 0.3168, 0.4123



22.7861, 0.3058, 0.2539

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.



33.3574, 0.3532, 0.2867



33.3574, 0.3168, 0.4123



33.3574, 0.2578, 0.2494

Square

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



33.3574, 0.3168, 0.4123



33.3574, 0.2220, 0.2830



33.3574, 0.3022, 0.2606



33.3574, 0.4127, 0.3625

Rectangle

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



33.3574, 0.3168, 0.4123



33.3574, 0.2451, 0.3439



33.3574, 0.3022, 0.2606



33.3574, 0.3832, 0.3101

Sweetspot

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



33.3588, 0.3168, 0.4123



65.9211, 0.3142, 0.3518



33.9004, 0.3605, 0.3898



14.6458, 0.3144, 0.3555



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.



33.3588, 0.3168, 0.4123



58.0980, 0.3173, 0.4340



33.1117, 0.2962, 0.3865



8.4701, 0.3142, 0.3521



21.3752, 0.3065, 0.5948



0.5382, 0.3262, 0.5792

Inverse Universe

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



22.7861, 0.3058, 0.2539



36.0423, 0.3037, 0.2367



23.1794, 0.3344, 0.2778



7.5976, 0.3110, 0.3066



6.2261, 0.2767, 0.1298



0.1687, 0.2922, 0.1384

Previews

White Background



This preview shows how the Yxy color 33.3574, 0.3168, 0.4123 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 33.3574, 0.3168, 0.4123 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 33.3574, 0.3168, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 33.3574, 0.3168, 0.4123.



This preview shows how white text looks on a background with the Yxy color 33.3574, 0.3168, 0.4123.

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

33.3574, 0.3168, 0.4123

Protanopia

33.2716, 0.3670, 0.3944

Deuteranopia

32.9426, 0.3775, 0.3687



Tritanopia

33.3096, 0.2793, 0.3090

Trichromacy



Original Color

33.3574, 0.3168, 0.4123

Protanomaly

33.1288, 0.3477, 0.4007

Deuteranomaly

32.8144, 0.3529, 0.3838

Tritanomaly

33.3998, 0.2928, 0.3449

Monochromacy



Original Color

33.3574, 0.3168, 0.4123

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.2458, 0.3152, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3574, 0.3168, 0.4123 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, 167, 117)` looks like.

```
.text, #text, p{  
    color:rgb(126, 167, 117)  
}
```

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, 167, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 167, 117) }
```

Border

The CSS property to change the border of an element to Yxy 33.3574, 0.3168, 0.4123 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, 167, 117) }
```

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

```
.border{ border-color:rgb(126, 167, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 167, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 167, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 167, 117);  
box-shadow:4px 4px 4px 4px rgb(126, 167,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3574, 0.3168, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 167, 117) }
```

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

```
.background{ background-color: rgb(126,  
167, 117) }
```

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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