

# Converting Colors

$Y_{xy}(34.0472, 0.2909, 0.3755)$

Have a look what the booklet for  
Yxy(34.0472, 0.2909, 0.3755)  
contains.

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# Color

**Yxy(34.1506, 0.2908, 0.3752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76A98D
RGB	118, 169, 141
RGB Percent	46%, 66%, 55%
CMY	0.5372, 0.3373, 0.4470
CMYK	0.30, 0.00, 0.17, 0.34
HSL	147°, 23%, 56%
HSV	147°, 30%, 66%
XYZ	26.4685, 34.1506, 30.4006
YIQ	150.5590, -21.4080, -19.5200

# Conversions

## Conversions Part 2

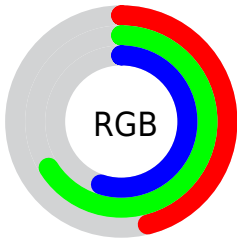
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 153, 169
Decimal	7776653
CIELab	65.08, -22.98, 9.08
CIELCh	65, 24.706, 158.443
Yxy	34.1506, 0.2908, 0.3752
Android (android.graphics.Color)	4285966733 (0xFF76A98D)
YUV	150.5590, -4.7126, -28.5542
Hunter-Lab	58.4385, -21.4195, 10.0634

# Details

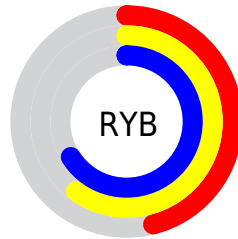
The Yxy color  $34.1506, 0.2908, 0.3752$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $23.4697, 0.3429, 0.2871$ , and the grayscale version is  $30.7784, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $65.9094, 0.2949, 0.3646$ , and  $14.7069, 0.2834, 0.3920$  is the 20% darker color. If you saturate the color by 10%, you get  $32.8081, 0.2845, 0.3937$ , and if you desaturate by 10%, it is  $35.7311, 0.2977, 0.3583$ .

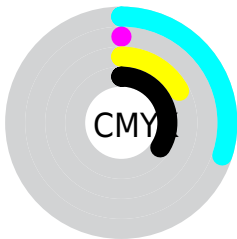
# Distribution



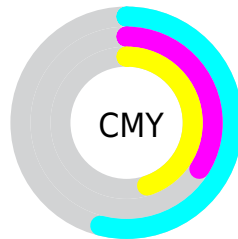
- Red (46%)
- Green (66%)
- Blue (55%)



- Red (46%)
- Yellow (60%)
- Blue (66%)



- Cyan (30%)
- Magenta (0%)
- Yellow (17%)
- Black (34%)




- Cyan (54%)
- Magenta (34%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1506, 0.2908, 0.3752 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 34.1506, 0.2908, 0.3752 by changing the saturation by 10% instead.




 34.1506, 0.2908,  
0.3752


 34.1506, 0.2908,  
0.3752


320.8031, 0.3027,  
0.3502

 23.0093, 0.2875,  
0.3822


 66.1678, 0.2954,  
0.3656

 14.6004, 0.2830,  
0.3916


 87.8125, 0.2970,  
0.3621

 8.5394, 0.2766,  
0.4051


 113.7271, 0.2983,  
0.3593

 4.4420, 0.2668,  
0.4259

144.2961, 0.2995,  
0.3569

 1.9238, 0.2497,  
0.4620

179.9038, 0.3005,  
0.3548

 0.5626, 0.0000,  
1.0000

220.9346, 0.3013,

 0.0000, 0.0000,

0.3531

0.0000

267.7729, 0.3020,  
0.3515

■ 34.1506, 0.2908,  
0.3752

■ 34.1506, 0.2908,  
0.3752

■ 32.8081, 0.2845,  
0.3937

■ 35.7311, 0.2977,  
0.3583

■ 31.6874, 0.2793,  
0.4134

■ 37.5563, 0.3051,  
0.3429

■ 30.7770, 0.2753,  
0.4342


■ 39.6379, 0.3126,  
0.3292


■ 30.0624, 0.2730,  
0.4555


■ 41.9858, 0.3201,  
0.3170


■ 29.5276, 0.2725,  
0.4766


■ 44.6090, 0.3275,  
0.3063

 29.1534, 0.2738,  
0.4969

 47.5163, 0.3347,  
0.2969

 28.9014, 0.2766,  
0.5157

 50.7160, 0.3416,  
0.2886

 54.2163, 0.3481,  
0.2814

 55.0452, 0.3416,  
0.2727

# Harmonies

## Analogous

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



34.1506, 0.3287, 0.3957



34.1506, 0.2908, 0.3752



34.1506, 0.2601, 0.3401

# Triad

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



34.1506, 0.2908, 0.3752



34.1506, 0.2617, 0.2670



34.1506, 0.3872, 0.3466

# Complementary

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



34.1506, 0.2908, 0.3752



23.4697, 0.3429, 0.2871

# 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.



34.1506, 0.3672, 0.3154



34.1506, 0.2908, 0.3752



34.1506, 0.2932, 0.2712

# Square

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



34.1506, 0.2908, 0.3752



34.1506, 0.2442, 0.2780



34.1506, 0.3320, 0.2886



34.1506, 0.3856, 0.3757



# Rectangle

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



34.1506, 0.2908, 0.3752



34.1506, 0.2472, 0.3153



34.1506, 0.3320, 0.2886



34.1506, 0.3828, 0.3361

# Sweetspot

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



34.1520, 0.2908, 0.3752



67.6161, 0.3058, 0.3415



35.8006, 0.3346, 0.4085



14.6302, 0.3048, 0.3435



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.



34.1520, 0.2908, 0.3752



59.5591, 0.2867, 0.3870



34.9983, 0.2719, 0.3329



8.4619, 0.3057, 0.3417



21.5503, 0.2761, 0.5138



0.5347, 0.2578, 0.4480



# Inverse Universe

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



23.4697, 0.3429, 0.2871



37.4134, 0.3516, 0.2778



22.7642, 0.3753, 0.3253



7.6086, 0.3203, 0.3167



6.8834, 0.4720, 0.2374



0.1776, 0.4100, 0.2032



# Previews

## White Background



This preview shows how the Yxy color 34.1506, 0.2908, 0.3752 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 34.1506, 0.2908, 0.3752 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 34.1506, 0.2908, 0.3752**

## Background



This preview shows how black text looks on a background with the Yxy color 34.1506, 0.2908, 0.3752.



This preview shows how white text looks on a background with the Yxy color 34.1506, 0.2908, 0.3752.

# 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

34.1506, 0.2908, 0.3752

### Protanopia

33.8625, 0.3414, 0.3618

### Deuteranopia

33.8479, 0.3453, 0.3391



## Tritanopia

34.0852, 0.2688, 0.3088

# Trichromacy



## Original Color

34.1506, 0.2908, 0.3752

## Protanomaly

33.5918, 0.3215, 0.3665

## Deuteranomaly

33.5353, 0.3235, 0.3503

## Tritanomaly

34.0903, 0.2763, 0.3321

# Monochromacy



## Original Color

34.1506, 0.2908, 0.3752

## Achromatopsia

30.9469, 0.3127, 0.3290

## Achromatomaly

32.0493, 0.3042, 0.3465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.1506, 0.2908, 0.3752 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(118, 169, 141)` looks like.

```
.text, #text, p{  
    color:rgb(118, 169, 141)  
}
```

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(118, 169, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 169, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 34.1506, 0.2908, 0.3752 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(118, 169, 141) }
```

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

```
.border{ border-color:rgb(118, 169, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 169, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 169, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 169, 141);  
box-shadow:4px 4px 4px 4px rgb(118, 169,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.1506, 0.2908, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 169, 141) }
```

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

```
.background{ background-color: rgb(118,  
169, 141) }
```

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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