

# Converting Colors

$Yxy(35.6523, 0.2873, 0.3797)$

Have a look what the booklet for  
Yxy(35.6523, 0.2873, 0.3797)  
contains.

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# Color

**Yxy(35.5151, 0.2872, 0.3782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73AD8F
RGB	115, 173, 143
RGB Percent	45%, 68%, 56%
CMY	0.5491, 0.3215, 0.4392
CMYK	0.34, 0.00, 0.17, 0.32
HSL	149°, 26%, 56%
HSV	149°, 34%, 68%
XYZ	26.9697, 35.5151, 31.4208
YIQ	152.2380, -24.9380, -21.6260

# Conversions

## Conversions Part 2

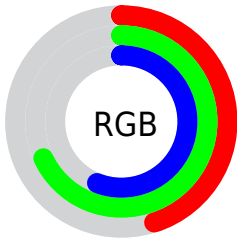
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">115, 154, 173</a>
Decimal	<a href="#">7581071</a>
CIELab	<a href="#">66.15, -25.52, 9.47</a>
CIELCh	<a href="#">66, 27.224, 159.646</a>
Yxy	<a href="#">35.5151, 0.2872, 0.3782</a>
Android (android.graphics.Color)	<a href="#">4285771151 (0xFF73AD8F)</a>
YUV	<a href="#">152.2380, -4.5543, -32.6577</a>
Hunter-Lab	<a href="#">59.5945, -23.5097, 10.4559</a>

# Details

The Yxy color **35.5151, 0.2872, 0.3782** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.1858, 0.3497, 0.2848**, and the grayscale version is **31.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5049, 0.2926, 0.3680**, and **15.3132, 0.2781, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **34.1915, 0.2809, 0.3960**, and if you desaturate by 10%, it is **37.0833, 0.2943, 0.3618**.

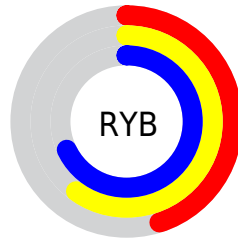
# Distribution



Red (45%)

Green (68%)

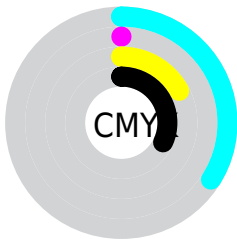
Blue (56%)



Red (45%)

Yellow (60%)

Blue (68%)

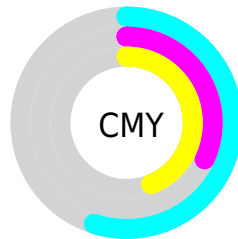


Cyan (34%)

Magenta (0%)

Yellow (17%)

Black (32%)



Cyan (55%)

Magenta (32%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5151, 0.2872, 0.3782 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 35.5151, 0.2872, 0.3782 by changing the saturation by 10% instead.





 35.5151, 0.2872,  
0.3782

 35.5151, 0.2872,  
0.3782


326.8361, 0.3009,  
0.3517


 24.0599, 0.2834,  
0.3855


 68.2830, 0.2924,  
0.3680

 15.3781, 0.2783,  
0.3955


 90.3645, 0.2943,  
0.3644

 9.0852, 0.2711,  
0.4095


 116.7569, 0.2959,  
0.3614

 4.7968, 0.2602,  
0.4311

147.8446, 0.2972,  
0.3588

 2.1285, 0.2415,  
0.4680

184.0119, 0.2983,  
0.3566

 0.6806, 0.0304,  
0.8688

225.6434, 0.2993,

 0.0000, 0.0000,

0.3548

0.0000

273.1233, 0.3002,  
0.3531

■ 35.5151, 0.2872,  
0.3782

■ 35.5151, 0.2872,  
0.3782

■ 34.1915, 0.2809,  
0.3960

■ 37.0833, 0.2943,  
0.3618

■ 33.0953, 0.2758,  
0.4149

■ 38.9037, 0.3020,  
0.3468

■ 32.2140, 0.2721,  
0.4347


■ 40.9887, 0.3099,  
0.3334

■ 31.5317, 0.2701,  
0.4548


■ 43.3488, 0.3179,  
0.3214


■ 31.0305, 0.2701,  
0.4747


■ 45.9937, 0.3258,  
0.3108


 30.6890, 0.2720,  
0.4938

 48.9329, 0.3336,  
0.3015

 30.5229, 0.2738,  
0.5056

 52.1752, 0.3411,  
0.2933

 55.7291, 0.3482,  
0.2862

 56.5053, 0.3419,  
0.2777

# Harmonies

## Analogous

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



35.5151, 0.3282, 0.4015



35.5151, 0.2872, 0.3782



35.5151, 0.2545, 0.3392

# Triad

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



35.5151, 0.2872, 0.3782



35.5151, 0.2585, 0.2618



35.5151, 0.3943, 0.3491

# Complementary

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



35.5151, 0.2872, 0.3782



23.1858, 0.3497, 0.2848

# 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.



35.5151, 0.3733, 0.3154



35.5151, 0.2872, 0.3782



35.5151, 0.2930, 0.2670

# Square

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



35.5151, 0.2872, 0.3782



35.5151, 0.2390, 0.2728



35.5151, 0.3353, 0.2863



35.5151, 0.3914, 0.3804



# Rectangle

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



35.5151, 0.2872, 0.3782



35.5151, 0.2412, 0.3123



35.5151, 0.3353, 0.2863



35.5151, 0.3898, 0.3377

# Sweetspot

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



35.5166, 0.2872, 0.3782



70.8713, 0.3046, 0.3422



37.2315, 0.3360, 0.4186



15.2952, 0.3035, 0.3440



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



35.5166, 0.2872, 0.3782



61.8615, 0.2826, 0.3908



36.4764, 0.2672, 0.3319



9.0014, 0.3053, 0.3410



22.4331, 0.2733, 0.5037



0.6352, 0.2572, 0.4461



# Inverse Universe

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



23.1858, 0.3497, 0.2848



36.4773, 0.3608, 0.2752



22.4243, 0.3866, 0.3263



8.0819, 0.3209, 0.3173



7.0739, 0.4855, 0.2448



0.2078, 0.4232, 0.2105



# Previews

## White Background



This preview shows how the Yxy color 35.5151, 0.2872, 0.3782 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 35.5151, 0.2872, 0.3782 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 35.5151, 0.2872, 0.3782**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.5151, 0.2872, 0.3782.

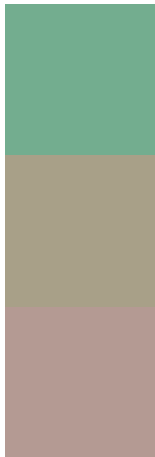


This preview shows how white text looks on a background with the Yxy color 35.5151, 0.2872, 0.3782.

# 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

35.5151, 0.2872, 0.3782

### Protanopia

35.2440, 0.3428, 0.3643

### Deuteranopia

34.9211, 0.3460, 0.3389



## Tritanopia

35.5524, 0.2652, 0.3091

# Trichromacy



**Original Color**

35.5151, 0.2872, 0.3782

**Protanomaly**

35.1639, 0.3202, 0.3691

**Deuteranomaly**

34.6330, 0.3213, 0.3516

**Tritanomaly**

35.5325, 0.2732, 0.3336

# Monochromacy



**Original Color**

35.5151, 0.2872, 0.3782

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

32.8005, 0.3025, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.5151, 0.2872, 0.3782 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(115, 173, 143)` looks like.

```
.text, #text, p{  
    color:rgb(115, 173, 143)  
}
```

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(115, 173, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 173, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 35.5151, 0.2872, 0.3782 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(115, 173, 143) }
```

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

```
.border{ border-color:rgb(115, 173, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 173, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 173, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 173, 143);  
box-shadow:4px 4px 4px 4px rgb(115, 173,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.5151, 0.2872, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 173, 143) }
```

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

```
.background{ background-color: rgb(115,  
173, 143) }
```

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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