

# Converting Colors

$Yxy(36.4432, 0.3202, 0.4102)$

Have a look what the booklet for  
Yxy(36.4432, 0.3202, 0.4102)  
contains.

<b>Yxy(36.4432, 0.3202, 0.4102)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(36.4432, 0.3202, 0.4102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87AD7A
RGB	135, 173, 122
RGB Percent	53%, 68%, 48%
CMY	0.4706, 0.3215, 0.5215
CMYK	0.22, 0.00, 0.29, 0.32
HSL	105°, 24%, 58%
HSV	105°, 29%, 68%
XYZ	28.4474, 36.4432, 23.9519
YIQ	155.8240, -6.2770, -23.9170

# Conversions

## Conversions Part 2

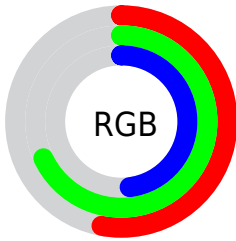
Format	Color
<a href="#">RYB</a>	<a href="#">122, 173, 160</a>
Decimal	<a href="#">8891770</a>
CIELab	<a href="#">66.86, -22.69, 22.12</a>
CIELCh	<a href="#">67, 31.690, 135.720</a>
Yxy	<a href="#">36.4432, 0.3202, 0.4102</a>
Android (android.graphics.Color)	<a href="#">4287081850 (0xFF87AD7A)</a>
YUV	<a href="#">155.8240, -16.6752, -18.2626</a>
Hunter-Lab	<a href="#">60.3682, -21.5296, 18.7336</a>

# Details

The Yxy color **36.4432, 0.3202, 0.4102** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.4174, 0.3017, 0.2540**, and the grayscale version is **33.2412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9526, 0.3192, 0.3935**, and **15.7988, 0.3205, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **35.0475, 0.3219, 0.4421**, and if you desaturate by 10%, it is **38.0481, 0.3179, 0.3802**.

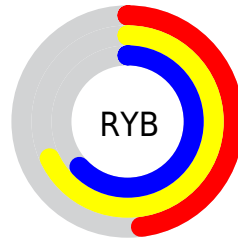
# Distribution



Red (53%)

Green (68%)

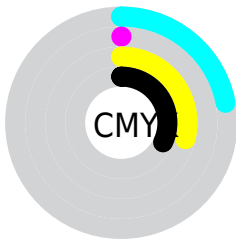
Blue (48%)



Red (48%)

Yellow (68%)

Blue (63%)

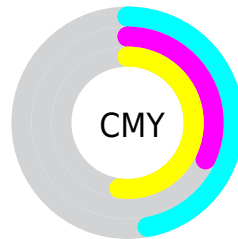


Cyan (22%)

Magenta (0%)

Yellow (29%)

Black (32%)



Cyan (47%)

Magenta (32%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4432, 0.3202, 0.4102 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 36.4432, 0.3202, 0.4102 by changing the saturation by 10% instead.





 36.4432, 0.3202,  
0.4102


 36.4432, 0.3202,  
0.4102


330.8936, 0.3173,  
0.3663


 24.7767, 0.3205,  
0.4223


 69.7156, 0.3194,  
0.3934

 15.9108, 0.3207,  
0.4386


 92.0902, 0.3190,  
0.3874

 9.4610, 0.3203,  
0.4615


 118.8031, 0.3187,  
0.3823

 5.0431, 0.3182,  
0.4961

150.2385, 0.3183,  
0.3781

 2.2726, 0.3169,  
0.5629

186.7808, 0.3180,  
0.3745

 0.7591, 0.1809,  
0.8191

228.8145, 0.3178,

 0.0000, 0.0000,

0.3714

0.0000

276.7240, 0.3175,  
0.3687

■ 36.4432, 0.3202,  
0.4102

■ 36.4432, 0.3202,  
0.4102

■ 35.0475, 0.3219,  
0.4421

■ 38.0481, 0.3179,  
0.3802

■ 33.8475, 0.3228,  
0.4748

■ 39.8655, 0.3153,  
0.3526

■ 32.8356, 0.3227,  
0.5068


■ 41.9047, 0.3126,  
0.3278


■ 32.0015, 0.3214,  
0.5361


■ 44.1730, 0.3097,  
0.3057


■ 31.3342, 0.3188,  
0.5606


■ 46.6773, 0.3070,  
0.2861


 30.8211, 0.3151,  
0.5789

 49.4244, 0.3043,  
0.2690

 30.4423, 0.3109,  
0.5909

 52.4205, 0.3017,  
0.2539

 30.4251, 0.3107,  
0.5915

 55.3178, 0.3032,  
0.2455

 57.6334, 0.3134,  
0.2481

# Harmonies

## Analogous

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



36.4432, 0.3661, 0.4144



36.4432, 0.3202, 0.4102



36.4432, 0.2743, 0.3780

# Triad

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



36.4432, 0.3202, 0.4102



36.4432, 0.2315, 0.2603



36.4432, 0.3896, 0.3206

# Complementary

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



36.4432, 0.3202, 0.4102



24.4174, 0.3017, 0.2540

# 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.



36.4432, 0.3483, 0.2861



36.4432, 0.3202, 0.4102



36.4432, 0.2573, 0.2521

# Square

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



36.4432, 0.3202, 0.4102



36.4432, 0.2255, 0.2874



36.4432, 0.2993, 0.2617



36.4432, 0.4085, 0.3589



# Rectangle

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



36.4432, 0.3202, 0.4102



36.4432, 0.2498, 0.3469



36.4432, 0.2993, 0.2617



36.4432, 0.3777, 0.3083

# Sweetspot

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



36.4448, 0.3202, 0.4102



71.5013, 0.3153, 0.3518



35.2274, 0.3614, 0.3833



15.4333, 0.3156, 0.3555



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.



36.4448, 0.3202, 0.4102



63.6874, 0.3213, 0.4296



35.7469, 0.2997, 0.3928



9.0342, 0.3153, 0.3522



22.3739, 0.3114, 0.5910



0.6485, 0.3343, 0.5728



# Inverse Universe

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



24.4174, 0.3017, 0.2540



38.8147, 0.2987, 0.2377



25.3849, 0.3292, 0.2727



8.0440, 0.3098, 0.3064



5.6727, 0.2583, 0.1196



0.1819, 0.2783, 0.1307



# Previews

## White Background



This preview shows how the Yxy color 36.4432, 0.3202, 0.4102 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 36.4432, 0.3202, 0.4102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

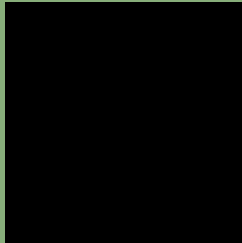
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.4432, 0.3202, 0.4102**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.4432, 0.3202, 0.4102.



This preview shows how white text looks on a background with the Yxy color 36.4432, 0.3202, 0.4102.

# 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

36.4432, 0.3202, 0.4102

### Protanopia

36.1237, 0.3661, 0.3938

### Deuteranopia

36.2304, 0.3768, 0.3700



## Tritanopia

36.4564, 0.2828, 0.3098

# Trichromacy



**Original Color**

36.4432, 0.3202, 0.4102

**Protanomaly**

36.0779, 0.3484, 0.3995

**Deuteranomaly**

35.8674, 0.3545, 0.3830

**Tritanomaly**

36.5073, 0.2968, 0.3457

# Monochromacy



**Original Color**

36.4432, 0.3202, 0.4102

**Achromatopsia**

33.2452, 0.3127, 0.3290

**Achromatomaly**

34.1502, 0.3152, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.4432, 0.3202, 0.4102 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(135, 173, 122)` looks like.

```
.text, #text, p{  
    color:rgb(135, 173, 122)  
}
```

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(135, 173, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 173, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 36.4432, 0.3202, 0.4102 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(135, 173, 122) }
```

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

```
.border{ border-color:rgb(135, 173, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 173, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 173, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 173, 122);  
box-shadow:4px 4px 4px 4px rgb(135, 173,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.4432, 0.3202, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 173, 122) }
```

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

```
.background{ background-color: rgb(135,  
173, 122) }
```

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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