

# Converting Colors

Yxy(64.0712, 0.3130, 0.3553)

Have a look what the booklet for  
Yxy(64.0712, 0.3130, 0.3553)  
contains.

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# Color

**Yxy(64.0532, 0.3129, 0.3552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D7C1
RGB	195, 215, 193
RGB Percent	76%, 84%, 76%
CMY	0.2355, 0.1568, 0.2431
CMYK	0.09, 0.00, 0.10, 0.16
HSL	115°, 22%, 80%
HSV	115°, 10%, 84%
XYZ	56.4252, 64.0532, 59.8515
YIQ	206.5120, -4.8580, -11.0820

# Conversions

## Conversions Part 2

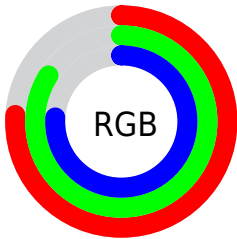
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 215, 213
Decimal	12834753
CIELab	83.99, -10.78, 8.57
CIELCh	84, 13.772, 141.521
Yxy	64.0532, 0.3129, 0.3552
Android (android.graphics.Color)	4291024833 (0xFFC3D7C1)
YUV	206.5120, -6.6614, -10.0960
Hunter-Lab	80.0332, -14.2116, 11.6842

# Details

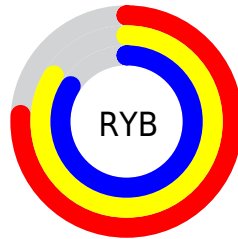
The Yxy color **64.0532, 0.3129, 0.3552** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.2122, 0.3124, 0.3039**, and the grayscale version is **62.1107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0550, 0.3143, 0.3348**, and **32.6684, 0.3131, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **60.7233, 0.3129, 0.3841**, and if you desaturate by 10%, it is **67.8709, 0.3127, 0.3296**.

# Distribution



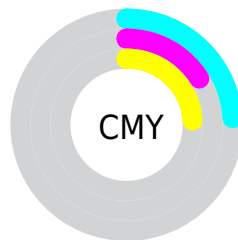
- Red (76%)
- Green (84%)
- Blue (76%)



- Red (76%)
- Yellow (84%)
- Blue (84%)



- Cyan (9%)
- Magenta (0%)
- Yellow (10%)
- Black (16%)




- Cyan (24%)
- Magenta (16%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0532, 0.3129, 0.3552 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 64.0532, 0.3129, 0.3552 by changing the saturation by 10% instead.



 64.0532, 0.3129,  
0.3552

 64.0532, 0.3129,  
0.3552

439.3817, 0.3129,  
0.3426

 46.6938, 0.3129,  
0.3582


 110.6875, 0.3129,  
0.3507

 32.7936, 0.3128,  
0.3620


140.7313, 0.3129,  
0.3490

 21.9684, 0.3127,  
0.3670


175.7718, 0.3129,  
0.3475

 13.8337, 0.3125,  
0.3736

216.1937, 0.3129,  
0.3463

 8.0051, 0.3122,  
0.3831

262.3812, 0.3129,  
0.3452

 4.0982, 0.3114,  
0.3977

314.7188, 0.3129,

 1.7286, 0.3096,


0.3442


0.4230


373.5908, 0.3129,  
0.3433


 0.4421, 0.2621,  
0.7379


 0.0000, 0.0000,  
0.0000


 64.0532, 0.3129,  
0.3552


 64.0532, 0.3129,  
0.3552


 60.7233, 0.3129,  
0.3841


 67.8709, 0.3127,  
0.3296


 57.8538, 0.3126,  
0.4160

 72.1863, 0.3124,  
0.3071

 55.4268, 0.3120,  
0.4502

 76.8559, 0.3137,  
0.2900

 53.4203, 0.3110,  
0.4853

 77.0881, 0.3145,  
0.2901

■ 51.8102, 0.3096,  
0.5193

■ 50.5702, 0.3078,  
0.5496

■ 49.6705, 0.3057,  
0.5738

■ 49.0768, 0.3035,  
0.5901

■ 48.7463, 0.3017,  
0.5986

# Harmonies

## Analogous

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



64.0532, 0.3299, 0.3596



64.0532, 0.3129, 0.3552



64.0532, 0.2962, 0.3432

# Triad

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



64.0532, 0.3129, 0.3552



64.0532, 0.2835, 0.3026



64.0532, 0.3421, 0.3296

# Complementary

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



64.0532, 0.3129, 0.3552



57.2122, 0.3124, 0.3039

# 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.



64.0532, 0.3290, 0.3153



64.0532, 0.3129, 0.3552



64.0532, 0.2952, 0.2999

# Square

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



64.0532, 0.3129, 0.3552



64.0532, 0.2796, 0.3124



64.0532, 0.3118, 0.3046



64.0532, 0.3470, 0.3442



# Rectangle

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



64.0532, 0.3129, 0.3552



64.0532, 0.2874, 0.3327



64.0532, 0.3118, 0.3046



64.0532, 0.3385, 0.3247

# Sweetspot

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



64.0559, 0.3129, 0.3552



98.2181, 0.3128, 0.3364



65.7956, 0.3281, 0.3516



20.9232, 0.3128, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

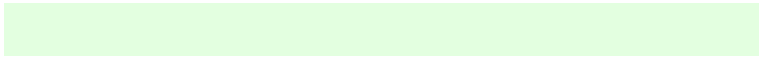


# Same Dimension

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



64.0559, 0.3129, 0.3552



93.2708, 0.3129, 0.3604



64.2036, 0.3056, 0.3446



13.9478, 0.3129, 0.3530



29.1714, 0.3022, 0.5983



1.7780, 0.3085, 0.5933



# Inverse Universe

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



57.2122, 0.3124, 0.3039



81.4980, 0.3123, 0.2992



57.0641, 0.3205, 0.3139



12.5744, 0.3124, 0.3059



9.9799, 0.2990, 0.1421



0.6186, 0.3030, 0.1443



# Previews

## White Background



This preview shows how the Yxy color 64.0532, 0.3129, 0.3552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

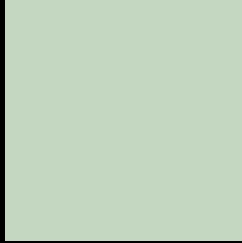
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0532, 0.3129, 0.3552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

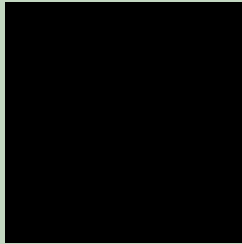
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

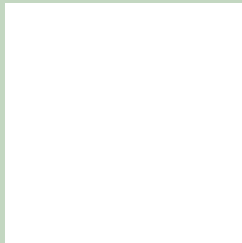
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.0532, 0.3129, 0.3552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0532, 0.3129, 0.3552.



This preview shows how white text looks on a background with the Yxy color 64.0532, 0.3129, 0.3552.

# 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

64.0532, 0.3129, 0.3552

### Protanopia

63.5812, 0.3325, 0.3496

### Deuteranopia

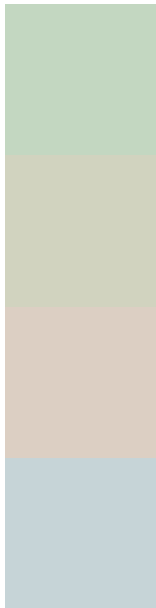
63.7190, 0.3425, 0.3357



## Tritanopia

63.9186, 0.2942, 0.3096

# Trichromacy



## Original Color

64.0532, 0.3129, 0.3552

## Protanomaly

63.9054, 0.3252, 0.3523

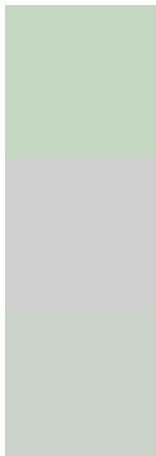
## Deuteranomaly

63.7814, 0.3313, 0.3426

## Tritanomaly

63.9990, 0.3006, 0.3255

# Monochromacy



## Original Color

64.0532, 0.3129, 0.3552

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.0540, 0.3130, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0532, 0.3129, 0.3552 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(195, 215, 193)` looks like.

```
.text, #text, p{  
    color:rgb(195, 215, 193)  
}
```

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(195, 215, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 215, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0532, 0.3129, 0.3552 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(195, 215, 193) }
```

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

```
.border{ border-color:rgb(195, 215, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 215, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 215, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 215, 193);  
box-shadow:4px 4px 4px 4px rgb(195, 215,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0532, 0.3129, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 215, 193) }
```

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

```
.background{ background-color: rgb(195,  
215, 193) }
```

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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