

# Converting Colors

$Yxy(63.8630, 0.3129, 0.3540)$

Have a look what the booklet for  
Yxy(63.8630, 0.3129, 0.3540)  
contains.

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# Color

**Yxy(63.5455, 0.3130, 0.3541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D6C1
RGB	195, 214, 193
RGB Percent	76%, 84%, 76%
CMY	0.2354, 0.1607, 0.2432
CMYK	0.09, 0.00, 0.10, 0.16
HSL	114°, 20%, 80%
HSV	114°, 10%, 84%
XYZ	56.1698, 63.5455, 59.7410
YIQ	205.9250, -4.5830, -10.5590

# Conversions

## Conversions Part 2

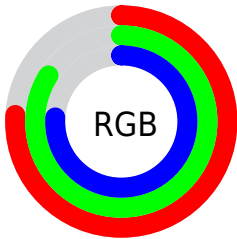
Format	Color
<a href="#">RYB</a>	<a href="#">193, 214, 212</a>
Decimal	<a href="#">12834497</a>
CIELab	<a href="#">83.73, -10.27, 8.21</a>
CIELCh	<a href="#">84, 13.154, 141.361</a>
Yxy	<a href="#">63.5455, 0.3130, 0.3541</a>
Android (android.graphics.Color)	<a href="#">4291024577 (0xFFC3D6C1)</a>
YUV	<a href="#">205.9250, -6.3720, -9.5812</a>
Hunter-Lab	<a href="#">79.7154, -13.7256, 11.3672</a>

# Details

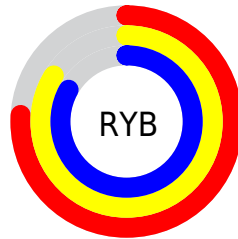
The Yxy color **63.5455, 0.3130, 0.3541** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.9839, 0.3123, 0.3049**, and the grayscale version is **61.7123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0550, 0.3143, 0.3348**, and **32.3231, 0.3131, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **60.2468, 0.3131, 0.3828**, and if you desaturate by 10%, it is **67.3226, 0.3127, 0.3286**.

# Distribution



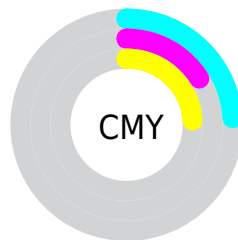
- Red (76%)
- Green (84%)
- Blue (76%)



- Red (76%)
- Yellow (84%)
- Blue (83%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5455, 0.3130, 0.3541 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 63.5455, 0.3130, 0.3541 by changing the saturation by 10% instead.





 63.5455, 0.3130,  
0.3541

 63.5455, 0.3130,  
0.3541


437.5465, 0.3130,  
0.3420

 46.2827, 0.3130,  
0.3570


 109.9561, 0.3130,  
0.3498

 32.4689, 0.3129,  
0.3606

139.8727, 0.3130,  
0.3482

 21.7199, 0.3129,  
0.3654


174.7759, 0.3130,  
0.3468

 13.6512, 0.3127,  
0.3718

215.0503, 0.3130,  
0.3455

 7.8785, 0.3125,  
0.3809

261.0801, 0.3130,  
0.3445

 4.0173, 0.3118,  
0.3950


313.2499, 0.3130,

 1.6832, 0.3102,


0.3436


0.4194


371.9439, 0.3130,  
0.3427


 0.4128, 0.2553,  
0.7447


 0.0000, 0.0000,  
0.0000

 63.5455, 0.3130,  
0.3541


 63.5455, 0.3130,  
0.3541


 60.2468, 0.3131,  
0.3828


 67.3226, 0.3127,  
0.3286

 57.3995, 0.3129,  
0.4146

 71.5874, 0.3123,  
0.3063

 54.9865, 0.3124,  
0.4486

 76.2184, 0.3132,  
0.2889

 52.9863, 0.3115,  
0.4837

 76.5807, 0.3146,  
0.2891

■ 51.3758, 0.3101,  
0.5177

■ 50.1292, 0.3083,  
0.5482

■ 49.2180, 0.3062,  
0.5726

■ 48.6092, 0.3039,  
0.5893

■ 48.2571, 0.3020,  
0.5983

# Harmonies

## Analogous

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



63.5455, 0.3292, 0.3583



63.5455, 0.3130, 0.3541



63.5455, 0.2970, 0.3426

# Triad

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



63.5455, 0.3130, 0.3541



63.5455, 0.2847, 0.3037



63.5455, 0.3408, 0.3296

# Complementary

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



63.5455, 0.3130, 0.3541



56.9839, 0.3123, 0.3049

# 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.



63.5455, 0.3283, 0.3158



63.5455, 0.3130, 0.3541



63.5455, 0.2959, 0.3011

# Square

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



63.5455, 0.3130, 0.3541



63.5455, 0.2809, 0.3132



63.5455, 0.3118, 0.3056



63.5455, 0.3456, 0.3435



# Rectangle

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



63.5455, 0.3130, 0.3541



63.5455, 0.2886, 0.3326



63.5455, 0.3118, 0.3056



63.5455, 0.3373, 0.3248

# Sweetspot

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



63.5482, 0.3130, 0.3541



98.2275, 0.3128, 0.3364



65.1899, 0.3275, 0.3507



20.9257, 0.3128, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

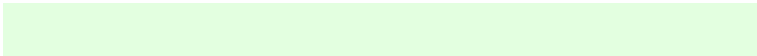


# Same Dimension

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



63.5482, 0.3130, 0.3541



93.3042, 0.3130, 0.3604



63.6702, 0.3059, 0.3440



13.9518, 0.3130, 0.3530



29.1813, 0.3024, 0.5981



1.7799, 0.3091, 0.5928



# Inverse Universe

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



56.9839, 0.3123, 0.3049



81.4596, 0.3121, 0.2992



56.8636, 0.3202, 0.3145



12.5700, 0.3123, 0.3059



9.8662, 0.2973, 0.1411



0.6129, 0.3016, 0.1435



# Previews

## White Background



This preview shows how the Yxy color 63.5455, 0.3130, 0.3541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

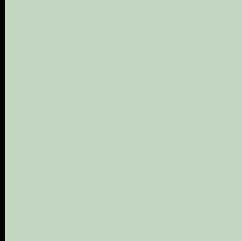
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.5455, 0.3130, 0.3541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

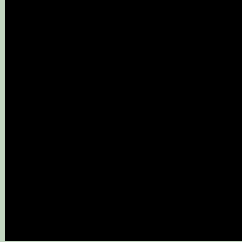
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

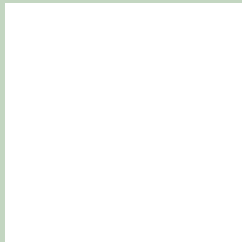
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.5455, 0.3130, 0.3541**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5455, 0.3130, 0.3541.



This preview shows how white text looks on a background with the Yxy color 63.5455, 0.3130, 0.3541.

# 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

63.5455, 0.3130, 0.3541

### Protanopia

63.5812, 0.3325, 0.3496

### Deuteranopia

63.0824, 0.3419, 0.3346



## Tritanopia

63.3713, 0.2948, 0.3095

# Trichromacy



## Original Color

63.5455, 0.3130, 0.3541

## Protanomaly

63.4101, 0.3253, 0.3511

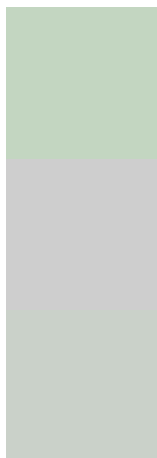
## Deuteranomaly

63.1428, 0.3307, 0.3415

## Tritanomaly

63.4493, 0.3012, 0.3255

# Monochromacy



## Original Color

63.5455, 0.3130, 0.3541

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.3745, 0.3130, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5455, 0.3130, 0.3541 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, 214, 193)` looks like.

```
.text, #text, p{  
    color:rgb(195, 214, 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, 214, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 214, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5455, 0.3130, 0.3541 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, 214, 193) }
```

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

```
.border{ border-color:rgb(195, 214, 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, 214, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 214, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 214, 193);  
box-shadow:4px 4px 4px 4px rgb(195, 214,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5455, 0.3130, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 214, 193) }
```

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

```
.background{ background-color: rgb(195,  
214, 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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