

# Converting Colors

Yxy(63.2208, 0.3241, 0.3711)

Have a look what the booklet for  
Yxy(63.2208, 0.3241, 0.3711)  
contains.

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# Color

**Yxy(63.2181, 0.3241, 0.3711)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5D6B3
RGB	197, 214, 179
RGB Percent	77%, 84%, 70%
CMY	0.2274, 0.1608, 0.2982
CMYK	0.08, 0.00, 0.16, 0.16
HSL	89°, 30%, 77%
HSV	89°, 16%, 84%
XYZ	55.2115, 63.2181, 51.9237
YIQ	204.9270, 1.1030, -14.4890

# Conversions

## Conversions Part 2

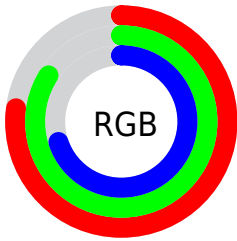
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	179, 214, 196
Decimal	12965555
CIE <sub>Lab</sub>	83.56, -11.94, 15.40
CIE <sub>LCh</sub>	84, 19.480, 127.784
Yxy	63.2181, 0.3241, 0.3711
Android (android.graphics.Color)	4291155635 (0xFFC5D6B3)
YUV	204.9270, -12.7820, -6.9520
Hunter-Lab	79.5098, -15.1920, 16.9377

# Details

The Yxy color **63.2181, 0.3241, 0.3711** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.8120, 0.2997, 0.2868**, and the grayscale version is **61.0863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5890, 0.3238, 0.3484**, and **32.1423, 0.3268, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **61.0688, 0.3308, 0.3993**, and if you desaturate by 10%, it is **65.6036, 0.3172, 0.3447**.

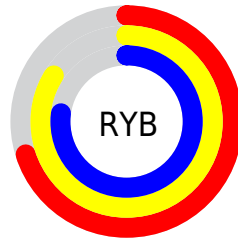
# Distribution



Red (77%)

Green (84%)

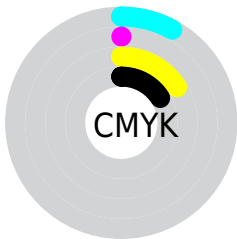
Blue (70%)



Red (70%)

Yellow (84%)

Blue (77%)

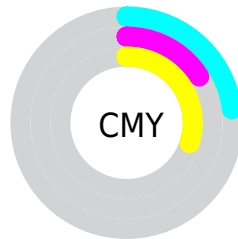


Cyan (8%)

Magenta (0%)

Yellow (16%)

Black (16%)



Cyan (23%)

Magenta (16%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2181, 0.3241, 0.3711 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 63.2181, 0.3241, 0.3711 by changing the saturation by 10% instead.




 63.2181, 0.3241,  
0.3711

 63.2181, 0.3241,  
0.3711

436.3606, 0.3189,  
0.3507

 46.0177, 0.3252,  
0.3760


 109.4841, 0.3223,  
0.3638

 32.2598, 0.3266,  
0.3822


139.3185, 0.3216,  
0.3611

 21.5600, 0.3284,  
0.3903

174.1329, 0.3210,  
0.3587

 13.5339, 0.3305,  
0.4012

214.3119, 0.3205,  
0.3567

 7.7972, 0.3333,  
0.4167

260.2397, 0.3200,  
0.3549

 3.9655, 0.3368,  
0.4405

312.3009, 0.3196,

 1.6543, 0.3460,

0.3533

0.4891

370.8797, 0.3193,  
0.3519

0.3938, 0.1739,  
0.8261

0.0000, 0.0000,  
0.0000

63.2181, 0.3241,  
0.3711

63.2181, 0.3241,  
0.3711

61.0688, 0.3308,  
0.3993

65.6036, 0.3172,  
0.3447

59.1394, 0.3369,  
0.4288

68.2246, 0.3102,  
0.3204

57.4239, 0.3420,  
0.4585

71.0912, 0.3035,  
0.2984

55.9131, 0.3457,  
0.4874

73.5785, 0.3030,  
0.2876

■ 54.5967, 0.3476,  
0.5139

■ 75.4306, 0.3103,  
0.2885

■ 53.4635, 0.3472,  
0.5366

■ 76.5736, 0.3146,  
0.2891

■ 52.5007, 0.3446,  
0.5542

■ 51.6923, 0.3400,  
0.5662

■ 51.4278, 0.3381,  
0.5698

# Harmonies

## Analogous

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



63.2181, 0.3463, 0.3711



63.2181, 0.3241, 0.3711



63.2181, 0.2995, 0.3584

# Triad

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



63.2181, 0.3241, 0.3711



63.2181, 0.2676, 0.2966



63.2181, 0.3472, 0.3201

# Complementary

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



63.2181, 0.3241, 0.3711



48.8120, 0.2997, 0.2868

# 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.



63.2181, 0.3248, 0.3021



63.2181, 0.3241, 0.3711



63.2181, 0.2792, 0.2884

# Square

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



63.2181, 0.3241, 0.3711



63.2181, 0.2675, 0.3141



63.2181, 0.2999, 0.2906



63.2181, 0.3601, 0.3409



# Rectangle

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



63.2181, 0.3241, 0.3711



63.2181, 0.2850, 0.3447



63.2181, 0.2999, 0.2906



63.2181, 0.3405, 0.3136

# Sweetspot

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



63.2208, 0.3241, 0.3711



98.0528, 0.3162, 0.3414



56.9854, 0.3404, 0.3490



20.9303, 0.3167, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

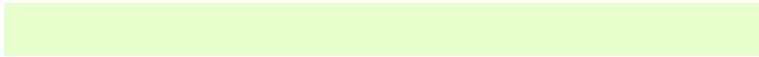


# Same Dimension

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



63.2208, 0.3241, 0.3711



92.7500, 0.3267, 0.3817



60.9970, 0.3111, 0.3728



14.2075, 0.3193, 0.3526



31.1467, 0.3391, 0.5689



1.9278, 0.3521, 0.5586



# Inverse Universe

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



48.8120, 0.2997, 0.2868



67.0167, 0.2962, 0.2762



51.2921, 0.3141, 0.2887



12.3010, 0.3056, 0.3054



4.7641, 0.1999, 0.0875

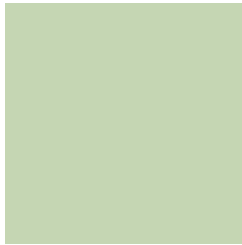


0.3365, 0.2190, 0.0980



# Previews

## White Background



This preview shows how the Yxy color 63.2181, 0.3241, 0.3711 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

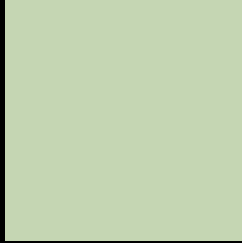
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.2181, 0.3241, 0.3711 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

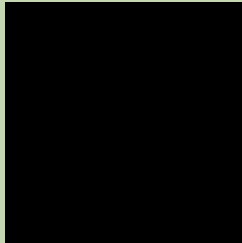
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

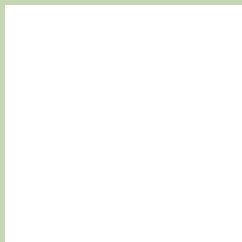
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.2181, 0.3241, 0.3711**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2181, 0.3241, 0.3711.



This preview shows how white text looks on a background with the Yxy color 63.2181, 0.3241, 0.3711.

# 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

63.2181, 0.3241, 0.3711

### Protanopia

62.8203, 0.3446, 0.3647

### Deuteranopia

62.8631, 0.3571, 0.3488



## Tritanopia

63.3309, 0.2989, 0.3108

# Trichromacy



## Original Color

63.2181, 0.3241, 0.3711

## Protanomaly

63.1164, 0.3369, 0.3676

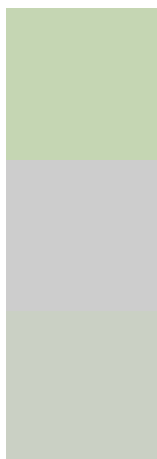
## Deuteranomaly

62.6868, 0.3445, 0.3564

## Tritanomaly

63.0648, 0.3074, 0.3313

# Monochromacy



## Original Color

63.2181, 0.3241, 0.3711

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

61.6538, 0.3166, 0.3432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2181, 0.3241, 0.3711 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(197, 214, 179)` looks like.

```
.text, #text, p{  
    color:rgb(197, 214, 179)  
}
```

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(197, 214, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 214, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2181, 0.3241, 0.3711 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(197, 214, 179) }
```

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

```
.border{ border-color:rgb(197, 214, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 214, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 214, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 214, 179);  
box-shadow:4px 4px 4px 4px rgb(197, 214,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2181, 0.3241, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 214, 179) }
```

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

```
.background{ background-color: rgb(197,  
214, 179) }
```

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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