

# Converting Colors

$Yxy(62.2845, 0.3097, 0.3231)$

Have a look what the booklet for  
Yxy(62.2845, 0.3097, 0.3231)  
contains.

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# Color

**Yxy(62.1112, 0.3100, 0.3232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFCED3
RGB	207, 206, 211
RGB Percent	81%, 81%, 83%
CMY	0.1880, 0.1922, 0.1725
CMYK	0.02, 0.02, 0.00, 0.17
HSL	253°, 5%, 82%
HSV	253°, 2%, 83%
XYZ	59.5745, 62.1112, 70.4901
YIQ	206.8690, -1.0090, 1.7670

# Conversions

## Conversions Part 2

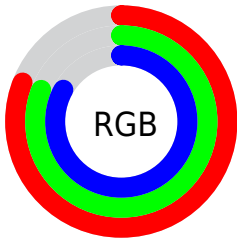
Format	Color
R <sub>Y</sub> B	207, 206, 211
Decimal	13618899
CIE Lab	82.97, 1.30, -2.37
CIE LCh	83, 2.704, 298.634
Yxy	62.1112, 0.3100, 0.3232
Android (android.graphics.Color)	4291808979 (0xFFCFCEd3)
YUV	206.8690, 2.0366, 0.1149
Hunter-Lab	78.8107, -2.9871, 2.1371

# Details

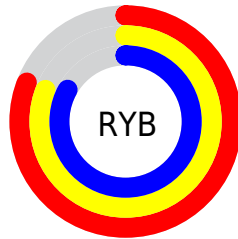
The Yxy color **62.1112, 0.3100, 0.3232** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.7497, 0.3154, 0.3348**, and the grayscale version is **62.3020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.6631, 0.3091, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **50.3566, 0.2975, 0.2971**, and if you desaturate by 10%, it is **75.4873, 0.3208, 0.3464**.

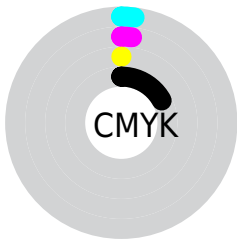
# Distribution



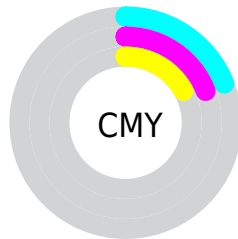
- Red (81%)
- Green (81%)
- Blue (83%)



- Red (81%)
- Yellow (81%)
- Blue (83%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (17%)



- Cyan (19%)
- Magenta (19%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1112, 0.3100, 0.3232 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 62.1112, 0.3100, 0.3232 by changing the saturation by 10% instead.



■ 62.1112, 0.3100,  
0.3232

■ 62.1112, 0.3100,  
0.3232

432.3366, 0.3113,  
0.3260

■ 45.1226, 0.3097,  
0.3225

107.8862, 0.3105,  
0.3242

■ 31.5540, 0.3093,  
0.3217

137.4414, 0.3106,  
0.3245

■ 21.0210, 0.3088,  
0.3207

171.9542, 0.3108,  
0.3249

■ 13.1394, 0.3081,  
0.3193

211.8091, 0.3109,  
0.3251

■ 7.5246, 0.3072,  
0.3173

257.3903, 0.3110,  
0.3254

■ 3.7923, 0.3058,  
0.3144

309.0824, 0.3111,

■ 1.5581, 0.3033,

0.3256

0.3094

367.2697, 0.3112,  
0.3258

0.3291, 0.2876,  
0.2747

0.0000, 0.0000,  
0.0000

62.1112, 0.3100,  
0.3232

62.1112, 0.3100,  
0.3232

50.3566, 0.2975,  
0.2971

75.4873, 0.3208,  
0.3464

40.1537, 0.2833,  
0.2682

90.5353, 0.3299,  
0.3669

31.4396, 0.2672,  
0.2368

97.4842, 0.3387,  
0.3720

24.1438, 0.2497,  
0.2038

■ 18.1901, 0.2311,  
0.1705

■ 13.4951, 0.2125,  
0.1386

■ 9.9658, 0.1948,  
0.1105

■ 7.4960, 0.1794,  
0.0882

■ 5.9594, 0.1672,  
0.0730

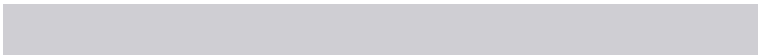
# Harmonies

## Analogous

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



62.1112, 0.3073, 0.3235



62.1112, 0.3100, 0.3232



62.1112, 0.3134, 0.3245

# Triad

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



62.1112, 0.3100, 0.3232



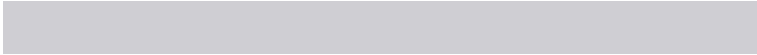
62.1112, 0.3194, 0.3328



62.1112, 0.3088, 0.3311

# Complementary

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



62.1112, 0.3100, 0.3232



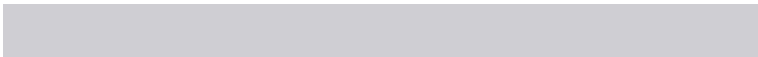
64.7497, 0.3154, 0.3348

# 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.



62.1112, 0.3120, 0.3336



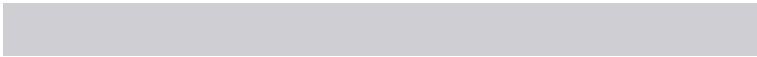
62.1112, 0.3100, 0.3232



62.1112, 0.3182, 0.3346

# Square

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



62.1112, 0.3100, 0.3232



62.1112, 0.3189, 0.3300



62.1112, 0.3154, 0.3349

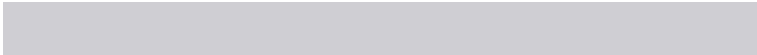


62.1112, 0.3066, 0.3280



# Rectangle

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



62.1112, 0.3100, 0.3232



62.1112, 0.3157, 0.3260



62.1112, 0.3154, 0.3349



62.1112, 0.3098, 0.3321

# Sweetspot

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



62.1139, 0.3100, 0.3232



98.0048, 0.3116, 0.3266



63.9246, 0.3090, 0.3278



20.9981, 0.3116, 0.3267



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.



62.1139, 0.3100, 0.3232



94.0906, 0.3092, 0.3216



62.4705, 0.3118, 0.3232



12.9773, 0.3084, 0.3198



3.2082, 0.1614, 0.0663



0.2146, 0.1795, 0.0762



# Inverse Universe

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



62.6392, 0.3137, 0.3245



95.1117, 0.3140, 0.3232



64.3920, 0.3136, 0.3348



13.1538, 0.3143, 0.3218



10.0400, 0.3826, 0.1881

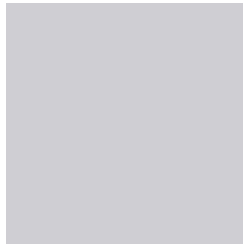


0.5724, 0.3692, 0.1807



# Previews

## White Background



This preview shows how the Yxy color 62.1112, 0.3100, 0.3232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

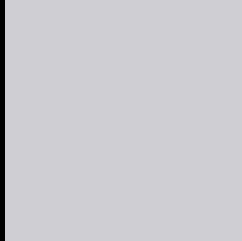
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1112, 0.3100, 0.3232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

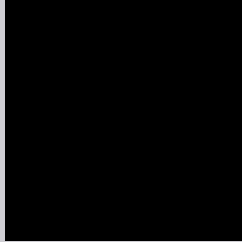
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

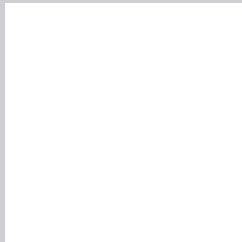
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.1112, 0.3100, 0.3232**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1112, 0.3100, 0.3232.

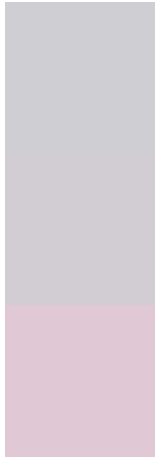


This preview shows how white text looks on a background with the Yxy color 62.1112, 0.3100, 0.3232.

# 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

62.1112, 0.3100, 0.3232

### Protanopia

61.9211, 0.3115, 0.3221

### Deuteranopia

61.9093, 0.3227, 0.3157



## Tritanopia

61.9615, 0.3046, 0.3097

# Trichromacy



## Original Color

62.1112, 0.3100, 0.3232

## Protanomaly

61.7757, 0.3108, 0.3221

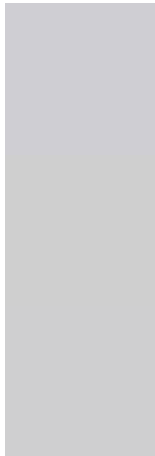
## Deuteranomaly

61.9000, 0.3179, 0.3178

## Tritanomaly

62.0823, 0.3066, 0.3153

# Monochromacy



## Original Color

62.1112, 0.3100, 0.3232

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.4451, 0.3120, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1112, 0.3100, 0.3232 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(207, 206, 211)` looks like.

```
.text, #text, p{  
    color:rgb(207, 206, 211)  
}
```

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(207, 206, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 206, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1112, 0.3100, 0.3232 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(207, 206, 211) }
```

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

```
.border{ border-color:rgb(207, 206, 211) }
```

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

Here you see how a box with a 4 pixel rgb(207, 206, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 206, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 206, 211);  
box-shadow:4px 4px 4px 4px rgb(207, 206,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1112, 0.3100, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 206, 211) }
```

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

```
.background{ background-color: rgb(207,  
206, 211) }
```

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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