

# Converting Colors

Yxy(62.6382, 0.3163, 0.3146)

Have a look what the booklet for  
Yxy(62.6382, 0.3163, 0.3146)  
contains.

<b>Yxy(62.7298, 0.3157, 0.3145)</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(62.7298, 0.3157, 0.3145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBCBD8
RGB	219, 203, 216
RGB Percent	86%, 80%, 85%
CMY	0.1411, 0.2039, 0.1529
CMYK	0.00, 0.07, 0.01, 0.14
HSL	311°, 18%, 83%
HSV	311°, 7%, 86%
XYZ	62.9692, 62.7298, 73.7599
YIQ	209.2660, 5.3630, 7.4350

# Conversions

## Conversions Part 2

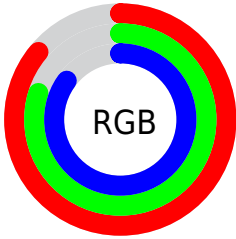
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 203, 216
Decimal	14404568
CIE Lab	83.30, 7.86, -4.44
CIE LCh	83, 9.031, 330.524
Yxy	62.7298, 0.3157, 0.3145
Android (android.graphics.Color)	4292594648 (0xFFDBCBD8)
YUV	209.2660, 3.3199, 8.5367
Hunter-Lab	79.2021, 3.3115, 0.2255

# Details

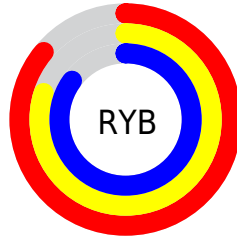
The Yxy color  $62.7298, 0.3157, 0.3145$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $67.8269, 0.3099, 0.3439$ , and the grayscale version is  $63.9217, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $31.9606, 0.3166, 0.3114$  is the 20% darker color. If you saturate the color by 10%, you get  $52.8980, 0.3203, 0.2940$ , and if you desaturate by 10%, it is  $74.0337, 0.3117, 0.3342$ .

# Distribution



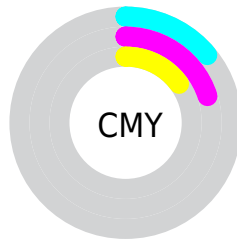
- Red (86%)
- Green (80%)
- Blue (85%)



- Red (86%)
- Yellow (80%)
- Blue (85%)



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (14%)



- Cyan (14%)
- Magenta (20%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7298, 0.3157, 0.3145 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 62.7298, 0.3157, 0.3145 by changing the saturation by 10% instead.



■ 62.7298, 0.3157,  
0.3145

■ 62.7298, 0.3157,  
0.3145

434.5882, 0.3143,  
0.3213

■ 45.6227, 0.3160,  
0.3129

108.7796, 0.3152,  
0.3169

■ 31.9482, 0.3164,  
0.3109

138.4910, 0.3150,  
0.3178

■ 21.3219, 0.3169,  
0.3084

173.1727, 0.3149,  
0.3186

■ 13.3595, 0.3175,  
0.3051

213.2090, 0.3147,  
0.3193

■ 7.6766, 0.3184,  
0.3004

258.9843, 0.3146,  
0.3199

■ 3.8887, 0.3197,  
0.2936

310.8830, 0.3145,

■ 1.6115, 0.3217,

0.3204

0.2824

369.2895, 0.3144,  
0.3209

0.3653, 0.3343,  
0.2265

0.0000, 0.0000,  
0.0000

62.7298, 0.3157,  
0.3145

62.7298, 0.3157,  
0.3145

52.8980, 0.3203,  
0.2940

74.0337, 0.3117,  
0.3342

44.4692, 0.3256,  
0.2732

86.8589, 0.3083,  
0.3528

37.3808, 0.3316,  
0.2526

92.2049, 0.3057,  
0.3566

31.5624, 0.3381,  
0.2332

92.4368, 0.3034,  
0.3523

■ 26.9370, 0.3451,  
0.2158

■ 92.6742, 0.3011,  
0.3479

■ 23.4195, 0.3524,  
0.2016

■ 92.9172, 0.2989,  
0.3436

■ 20.9133, 0.3598,  
0.1913

■ 93.1657, 0.2966,  
0.3393

■ 19.3052, 0.3670,  
0.1856

■ 93.4198, 0.2944,  
0.3351

■ 18.4436, 0.3739,  
0.1843

■ 93.6795, 0.2922,  
0.3309

# Harmonies

## Analogous

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



62.7298, 0.3043, 0.3100



62.7298, 0.3157, 0.3145



62.7298, 0.3265, 0.3227

# Triad

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



62.7298, 0.3157, 0.3145



62.7298, 0.3304, 0.3478



62.7298, 0.2922, 0.3249

# Complementary

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



62.7298, 0.3157, 0.3145



67.8269, 0.3099, 0.3439

# 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.



62.7298, 0.2990, 0.3353



62.7298, 0.3157, 0.3145



62.7298, 0.3209, 0.3488

# Square

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



62.7298, 0.3157, 0.3145



62.7298, 0.3351, 0.3418



62.7298, 0.3095, 0.3442



62.7298, 0.2909, 0.3158



# Rectangle

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



62.7298, 0.3157, 0.3145



62.7298, 0.3318, 0.3292



62.7298, 0.3095, 0.3442



62.7298, 0.2939, 0.3283

# Sweetspot

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



62.7325, 0.3157, 0.3145



96.7275, 0.3135, 0.3251



60.9390, 0.3037, 0.3106



20.7379, 0.3135, 0.3253



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.



62.7325, 0.3157, 0.3145



85.9466, 0.3165, 0.3109



62.3318, 0.3214, 0.3233



13.2307, 0.3166, 0.3102



10.8470, 0.3748, 0.1838



0.7138, 0.3644, 0.1781



# Inverse Universe

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



62.7325, 0.3157, 0.3145



85.9466, 0.3165, 0.3109



68.2225, 0.3047, 0.3348



13.2307, 0.3166, 0.3102



10.8470, 0.3748, 0.1838

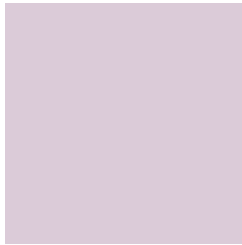


0.7138, 0.3644, 0.1781



# Previews

## White Background



This preview shows how the Yxy color 62.7298, 0.3157, 0.3145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

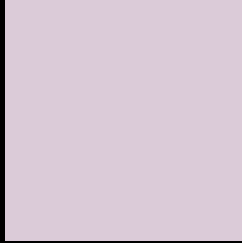
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7298, 0.3157, 0.3145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

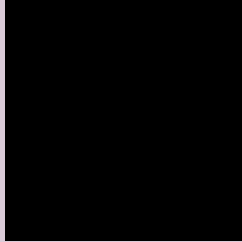
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

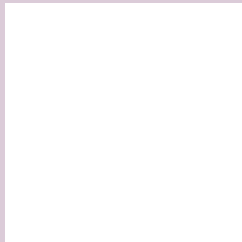
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7298, 0.3157, 0.3145**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7298, 0.3157, 0.3145.



This preview shows how white text looks on a background with the Yxy color 62.7298, 0.3157, 0.3145.

# 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

62.7298, 0.3157, 0.3145

### Protanopia

62.6145, 0.3059, 0.3153

### Deuteranopia

62.5784, 0.3197, 0.3125



## Tritanopia

62.8864, 0.3135, 0.3112

# Trichromacy



## Original Color

62.7298, 0.3157, 0.3145

## Protanomaly

62.6694, 0.3096, 0.3154

## Deuteranomaly

62.7285, 0.3181, 0.3135

## Tritanomaly

62.8339, 0.3143, 0.3123

# Monochromacy



## Original Color

62.7298, 0.3157, 0.3145

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.5252, 0.3137, 0.3233

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7298, 0.3157, 0.3145 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(219, 203, 216)` looks like.

```
.text, #text, p{  
    color:rgb(219, 203, 216)  
}
```

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(219, 203, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 203, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7298, 0.3157, 0.3145 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(219, 203, 216) }
```

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

```
.border{ border-color:rgb(219, 203, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 203, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 203, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 203, 216); box-shadow:4px 4px 4px 4px rgb(219, 203, 216) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  62.7298, 0.3157, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 203, 216) }
```

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

```
.background{ background-color: rgb(219,  
203, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor