

# Converting Colors

$Yxy(62.3644, 0.3468, 0.3578)$

Have a look what the booklet for  
Yxy(62.3644, 0.3468, 0.3578)  
contains.

<b>Yxy(62.2877, 0.3470, 0.3575)</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(62.2877, 0.3470, 0.3575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CCB3
RGB	224, 204, 179
RGB Percent	88%, 80%, 70%
CMY	0.1218, 0.1999, 0.2980
CMYK	0.00, 0.09, 0.20, 0.12
HSL	33°, 42%, 79%
HSV	33°, 20%, 88%
XYZ	60.4583, 62.2877, 51.4854
YIQ	207.1300, 19.9450, -3.5350

# Conversions

## Conversions Part 2

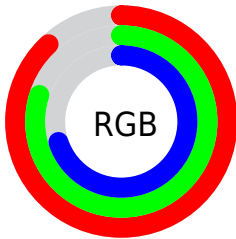
Format	Color
R <sub>Y</sub> B	215, 224, 179
Decimal	14732467
CIE Lab	83.07, 3.00, 14.99
CIE LCh	83, 15.287, 78.691
Yxy	62.2877, 0.3470, 0.3575
Android (android.graphics.Color)	4292922547 (0xFFE0CCB3)
YUV	207.1300, -13.8681, 14.7950
Hunter-Lab	78.9226, -1.3753, 16.5678

# Details

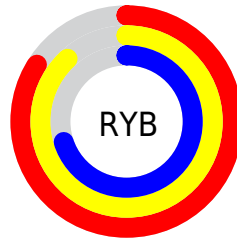
The Yxy color  $62.2877, 0.3470, 0.3575$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $55.7778, 0.2809, 0.2987$ , and the grayscale version is  $62.5645, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.7782, 0.3244, 0.3483$ , and  $31.6439, 0.3555, 0.3650$  is the 20% darker color. If you saturate the color by 10%, you get  $56.8856, 0.3673, 0.3725$ , and if you desaturate by 10%, it is  $68.1435, 0.3289, 0.3429$ .

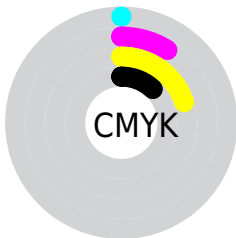
# Distribution



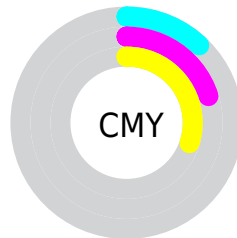
- Red (88%)
- Green (80%)
- Blue (70%)



- Red (84%)
- Yellow (88%)
- Blue (70%)



- Cyan (0%)
- Magenta (9%)
- Yellow (20%)
- Black (12%)



- Cyan (12%)
- Magenta (20%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2877, 0.3470, 0.3575 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 62.2877, 0.3470, 0.3575 by changing the saturation by 10% instead.




 62.2877, 0.3470,  
0.3575

 62.2877, 0.3470,  
0.3575

432.9798, 0.3306,  
0.3441

 45.2652, 0.3509,  
0.3606


 108.1412, 0.3412,  
0.3528

 31.6664, 0.3557,  
0.3645


137.7411, 0.3390,  
0.3510

 21.1068, 0.3619,  
0.3695


172.3021, 0.3371,  
0.3494

 13.2021, 0.3701,  
0.3760

212.2088, 0.3355,  
0.3481

 7.5679, 0.3816,  
0.3849

257.8455, 0.3340,  
0.3469

 3.8197, 0.3987,  
0.3978

309.5967, 0.3328,

 1.5732, 0.4332,

0.3458

0.4246

367.8466, 0.3317,  
0.3449

0.3394, 0.5383,  
0.4617

0.0000, 0.0000,  
0.0000

62.2877, 0.3470,  
0.3575

62.2877, 0.3470,  
0.3575

56.8856, 0.3673,  
0.3725

68.1435, 0.3289,  
0.3429

51.9161, 0.3896,  
0.3873

74.4565, 0.3128,  
0.3291

47.3687, 0.4136,  
0.4013

81.2412, 0.2987,  
0.3161

43.2290, 0.4387,  
0.4134

87.6024, 0.2938,  
0.3175

■ 39.4815, 0.4638,  
0.4223

■ 93.7307, 0.2940,  
0.3276

■ 36.1092, 0.4875,  
0.4269

■ 94.5791, 0.2940,  
0.3289

■ 33.0930, 0.5084,  
0.4262

■ 30.4211, 0.5258,  
0.4207

# Harmonies

## Analogous

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



62.2877, 0.3512, 0.3445



62.2877, 0.3470, 0.3575



62.2877, 0.3335, 0.3633

# Triad

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



62.2877, 0.3470, 0.3575



62.2877, 0.2817, 0.3287



62.2877, 0.3098, 0.3010

# Complementary

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



62.2877, 0.3470, 0.3575



55.7778, 0.2809, 0.2987

# 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.



62.2877, 0.2916, 0.2964



62.2877, 0.3470, 0.3575



62.2877, 0.2758, 0.3117

# Square

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



62.2877, 0.3470, 0.3575



62.2877, 0.2958, 0.3465



62.2877, 0.2793, 0.3001



62.2877, 0.3293, 0.3124



# Rectangle

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



62.2877, 0.3470, 0.3575



62.2877, 0.3213, 0.3618



62.2877, 0.2793, 0.3001



62.2877, 0.3033, 0.2986

# Sweetspot

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



62.2905, 0.3470, 0.3575



94.8017, 0.3222, 0.3373



52.2151, 0.3351, 0.3060



20.1733, 0.3232, 0.3382



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

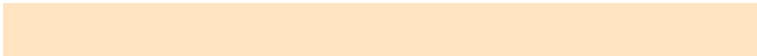


# Same Dimension

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



62.2905, 0.3470, 0.3575



80.5600, 0.3551, 0.3636



72.0210, 0.3412, 0.3791



14.9596, 0.3278, 0.3421



17.9491, 0.5237, 0.4224



1.4219, 0.5033, 0.4386



# Inverse Universe

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



55.7778, 0.2809, 0.2987



70.3402, 0.2741, 0.2917



47.4750, 0.2810, 0.2740



14.2385, 0.2981, 0.3156



8.5823, 0.1722, 0.1400

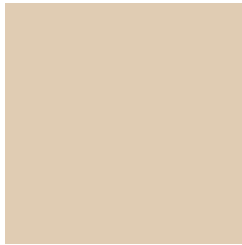


0.7713, 0.1805, 0.1698



# Previews

## White Background



This preview shows how the Yxy color 62.2877, 0.3470, 0.3575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

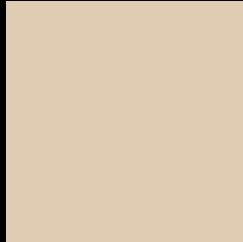
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2877, 0.3470, 0.3575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

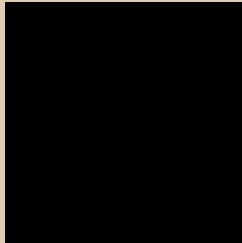
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.2877, 0.3470, 0.3575**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2877, 0.3470, 0.3575.



This preview shows how white text looks on a background with the Yxy color 62.2877, 0.3470, 0.3575.

# 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

62.2877, 0.3470, 0.3575

### Protanopia

62.1896, 0.3402, 0.3591

### Deuteranopia

62.1467, 0.3581, 0.3500



## Tritanopia

62.1959, 0.3244, 0.3126

# Trichromacy



## Original Color

62.2877, 0.3470, 0.3575

## Protanomaly

62.1736, 0.3428, 0.3577

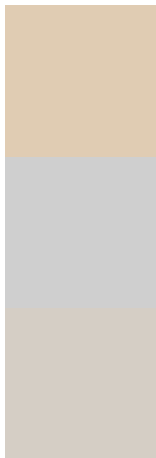
## Deuteranomaly

62.2244, 0.3535, 0.3525

## Tritanomaly

62.3212, 0.3332, 0.3291

# Monochromacy



## Original Color

62.2877, 0.3470, 0.3575

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.3200, 0.3245, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.2877, 0.3470, 0.3575 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(224, 204, 179)` looks like.

```
.text, #text, p{  
    color:rgb(224, 204, 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(224, 204, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 204, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2877, 0.3470, 0.3575 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(224, 204, 179) }
```

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

```
.border{ border-color:rgb(224, 204, 179) }
```

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

Here you see how a box with a 4 pixel rgb(224, 204, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 204, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 204, 179);  
box-shadow:4px 4px 4px 4px rgb(224, 204,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2877, 0.3470, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 204, 179) }
```

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

```
.background{ background-color: rgb(224,  
204, 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](#).

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