

# Converting Colors

$Yxy(67.7021, 0.3159, 0.3077)$

Have a look what the booklet for  
Yxy(67.7021, 0.3159, 0.3077)  
contains.

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# Color

**Yxy(67.7021, 0.3159, 0.3077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7D0E4
RGB	231, 208, 228
RGB Percent	91%, 82%, 89%
CMY	0.0943, 0.1842, 0.1058
CMYK	0.00, 0.10, 0.01, 0.09
HSL	308°, 32%, 86%
HSV	308°, 10%, 91%
XYZ	69.5063, 67.7021, 82.8179
YIQ	217.1570, 7.2880, 11.0960

# Conversions

## Conversions Part 2

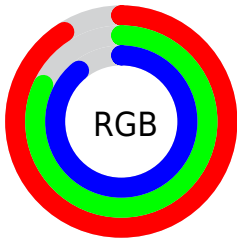
Format	Color
<a href="#">RYB</a>	<a href="#">231, 208, 228</a>
Decimal	<a href="#">15192292</a>
CIELab	<a href="#">85.86, 11.43, -6.95</a>
CIELCh	<a href="#">86, 13.376, 328.700</a>
Yxy	<a href="#">67.7021, 0.3159, 0.3077</a>
Android (android.graphics.Color)	<a href="#">4293382372 (0xFFE7D0E4)</a>
YUV	<a href="#">217.1570, 5.3456, 12.1403</a>
Hunter-Lab	<a href="#">82.2813, 6.7939, -2.0798</a>

# Details

The Yxy color **67.7021, 0.3159, 0.3077** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.2417, 0.3097, 0.3513**, and the grayscale version is **69.4595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.2423, 0.3159, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **57.0871, 0.3195, 0.2856**, and if you desaturate by 10%, it is **79.9657, 0.3127, 0.3291**.

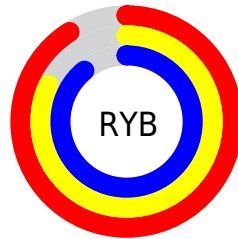
# Distribution



Red (91%)

Green (82%)

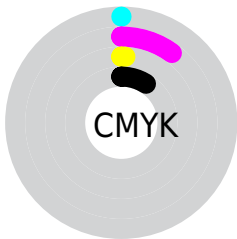
Blue (89%)



Red (91%)

Yellow (82%)

Blue (89%)

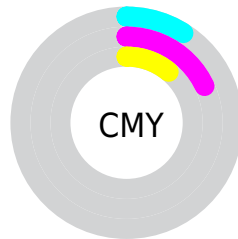


Cyan (0%)

Magenta (10%)

Yellow (1%)

Black (9%)



Cyan (9%)

Magenta (18%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7021, 0.3159, 0.3077 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 67.7021, 0.3159, 0.3077 by changing the saturation by 10% instead.




 67.7021, 0.3159,  
0.3077

 67.7021, 0.3159,  
0.3077

452.4398, 0.3145,  
0.3175

 49.6554, 0.3162,  
0.3055


115.9259, 0.3154,  
0.3111

 35.1397, 0.3166,  
0.3027


146.8718, 0.3152,  
0.3124

 23.7705, 0.3170,  
0.2992


182.8862, 0.3151,  
0.3136

 15.1635, 0.3176,  
0.2947

224.3535, 0.3149,  
0.3146

 8.9342, 0.3184,  
0.2884

271.6581, 0.3148,  
0.3154

 4.6983, 0.3194,  
0.2795

325.1844, 0.3147,

 2.0713, 0.3209,

0.3162

0.2656

385.3169, 0.3146,  
0.3169

0.6484, 0.3254,  
0.2354

0.0000, 0.0000,  
0.0000

67.7021, 0.3159,  
0.3077

67.7021, 0.3159,  
0.3077

57.0871, 0.3195,  
0.2856

79.9657, 0.3127,  
0.3291

48.0412, 0.3236,  
0.2634

93.9353, 0.3099,  
0.3495

40.4917, 0.3281,  
0.2418

94.6100, 0.3082,  
0.3473

34.3567, 0.3328,  
0.2218

94.7842, 0.3065,  
0.3442

29.5462, 0.3378,  
0.2043

94.9612, 0.3049,  
0.3412

25.9602, 0.3428,  
0.1903

95.1411, 0.3032,  
0.3382

23.4841, 0.3477,  
0.1805

95.3238, 0.3016,  
0.3352

21.9822, 0.3523,  
0.1752

95.5095, 0.3000,  
0.3323

21.2219, 0.3566,  
0.1738

95.6981, 0.2983,  
0.3293

# Harmonies

## Analogous

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



67.7021, 0.2995, 0.3017



67.7021, 0.3159, 0.3077



67.7021, 0.3318, 0.3190

# Triad

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



67.7021, 0.3159, 0.3077



67.7021, 0.3388, 0.3557



67.7021, 0.2837, 0.3237

# Complementary

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



67.7021, 0.3159, 0.3077



75.2417, 0.3097, 0.3513

# 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.



67.7021, 0.2937, 0.3390



67.7021, 0.3159, 0.3077



67.7021, 0.3254, 0.3579

# Square

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



67.7021, 0.3159, 0.3077



67.7021, 0.3452, 0.3465



67.7021, 0.3089, 0.3518



67.7021, 0.2812, 0.3104



# Rectangle

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



67.7021, 0.3159, 0.3077



67.7021, 0.3398, 0.3283



67.7021, 0.3089, 0.3518



67.7021, 0.2863, 0.3288

# Sweetspot

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



67.7050, 0.3159, 0.3077



95.1529, 0.3136, 0.3226



64.6914, 0.2991, 0.3035



20.0963, 0.3139, 0.3209



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.



67.7050, 0.3159, 0.3077



81.7568, 0.3166, 0.3030



67.1024, 0.3238, 0.3196



14.5818, 0.3157, 0.3088



11.9127, 0.3560, 0.1735



0.8892, 0.3501, 0.1703



# Inverse Universe

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



67.7050, 0.3159, 0.3077



81.7568, 0.3166, 0.3030



75.8236, 0.3028, 0.3387



14.5818, 0.3157, 0.3088



11.9127, 0.3560, 0.1735

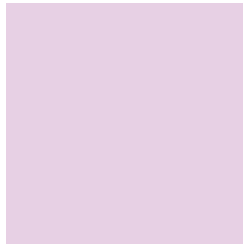


0.8892, 0.3501, 0.1703



# Previews

## White Background



This preview shows how the Yxy color 67.7021, 0.3159, 0.3077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

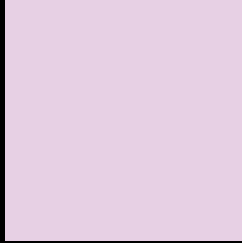
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7021, 0.3159, 0.3077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

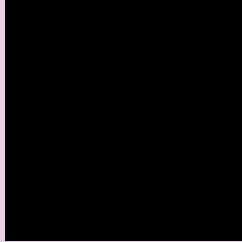
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

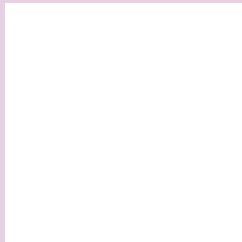
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.7021, 0.3159, 0.3077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7021, 0.3159, 0.3077.



This preview shows how white text looks on a background with the Yxy color 67.7021, 0.3159, 0.3077.

# 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

67.7021, 0.3159, 0.3077

### Protanopia

67.6542, 0.3014, 0.3092

### Deuteranopia

68.0254, 0.3151, 0.3087



## Tritanopia

68.0261, 0.3180, 0.3119

# Trichromacy



## Original Color

67.7021, 0.3159, 0.3077

## Protanomaly

67.5173, 0.3064, 0.3083

## Deuteranomaly

68.0254, 0.3151, 0.3087

## Tritanomaly

68.0808, 0.3173, 0.3109

# Monochromacy



## Original Color

67.7021, 0.3159, 0.3077

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

68.8432, 0.3138, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7021, 0.3159, 0.3077 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(231, 208, 228)` looks like.

```
.text, #text, p{  
    color:rgb(231, 208, 228)  
}
```

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(231, 208, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 208, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7021, 0.3159, 0.3077 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(231, 208, 228) }
```

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

```
.border{ border-color:rgb(231, 208, 228) }
```

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

Here you see how a box with a 4 pixel rgb(231, 208, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 208, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 208, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 208,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7021, 0.3159, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 208, 228) }
```

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

```
.background{ background-color: rgb(231,  
208, 228) }
```

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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