

# Converting Colors

Yxy(66.4430, 0.3105, 0.3064)

Have a look what the booklet for  
Yxy(66.4430, 0.3105, 0.3064)  
contains.

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# Color

**Yxy(66.6162, 0.3101, 0.3063)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0D0E5
RGB	224, 208, 229
RGB Percent	88%, 82%, 90%
CMY	0.1215, 0.1843, 0.1020
CMYK	0.02, 0.09, 0.00, 0.10
HSL	286°, 29%, 86%
HSV	286°, 9%, 90%
XYZ	67.4426, 66.6162, 83.4279
YIQ	215.1780, 2.7950, 9.9230

# Conversions

## Conversions Part 2

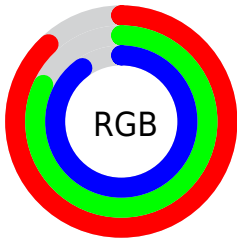
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 208, 229
Decimal	14733541
CIE <sub>Lab</sub>	85.31, 9.29, -8.34
CIE <sub>LCh</sub>	85, 12.482, 318.072
Yxy	66.6162, 0.3101, 0.3063
Android (android.graphics.Color)	4292923621 (0xFFE0D0E5)
YUV	215.1780, 6.8142, 7.7369
Hunter-Lab	81.6187, 4.6641, -3.4711

# Details

The Yxy color **66.6162, 0.3101, 0.3063** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.7326, 0.3151, 0.3523**, and the grayscale version is **68.0364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.6022, 0.3092, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **55.3938, 0.3067, 0.2803**, and if you desaturate by 10%, it is **79.4841, 0.3129, 0.3310**.

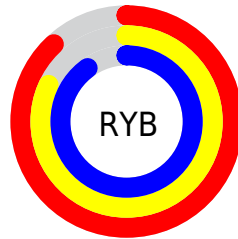
# Distribution



Red (88%)

Green (82%)

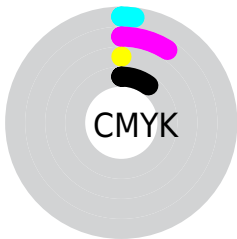
Blue (90%)



Red (88%)

Yellow (82%)

Blue (90%)

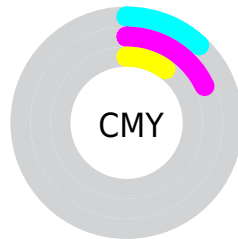


Cyan (2%)

Magenta (9%)

Yellow (0%)

Black (10%)



Cyan (12%)

Magenta (18%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6162, 0.3101, 0.3063 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 66.6162, 0.3101, 0.3063 by changing the saturation by 10% instead.



66.6162, 0.3101,  
0.3063

66.6162, 0.3101,  
0.3063

448.5774, 0.3114,  
0.3168

48.7728, 0.3098,  
0.3039

114.3703, 0.3106,  
0.3099

34.4393, 0.3094,  
0.3009

145.0498, 0.3107,  
0.3114

23.2313, 0.3088,  
0.2972

180.7767, 0.3109,  
0.3126

14.7644, 0.3081,  
0.2923

221.9355, 0.3110,  
0.3136

8.6542, 0.3070,  
0.2855

268.9106, 0.3111,  
0.3146

4.5163, 0.3054,  
0.2759

322.0864, 0.3112,

1.9664, 0.3025,

0.3154

0.2607

381.8472, 0.3113,  
0.3161

■ 0.5878, 0.2997,  
0.2243

■ 0.0000, 0.0000,  
0.0000

■ 66.6162, 0.3101,  
0.3063

■ 66.6162, 0.3101,  
0.3063

■ 55.3938, 0.3067,  
0.2803

■ 79.4841, 0.3129,  
0.3310

■ 45.7393, 0.3026,  
0.2535

■ 94.0538, 0.3152,  
0.3540

■ 37.5815, 0.2978,  
0.2268

■ 95.7549, 0.3186,  
0.3549

■ 30.8405, 0.2925,  
0.2010

■ 96.7206, 0.3220,  
0.3547

■ 25.4287, 0.2866,  
0.1773

■ 97.7150, 0.3255,  
0.3544

■ 21.2487, 0.2803,  
0.1569

■ 98.4369, 0.3280,  
0.3542

■ 18.1894, 0.2739,  
0.1406

■ 16.1195, 0.2675,  
0.1289

■ 14.8325, 0.2613,  
0.1216

# Harmonies

## Analogous

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



66.6162, 0.2956, 0.3028



66.6162, 0.3101, 0.3063



66.6162, 0.3257, 0.3154

# Triad

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



66.6162, 0.3101, 0.3063



66.6162, 0.3402, 0.3517



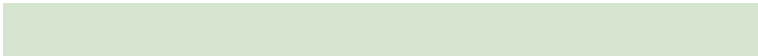
66.6162, 0.2880, 0.3292

# Complementary

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



66.6162, 0.3101, 0.3063



74.7326, 0.3151, 0.3523

# 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.



66.6162, 0.2995, 0.3431



66.6162, 0.3101, 0.3063



66.6162, 0.3297, 0.3562

# Square

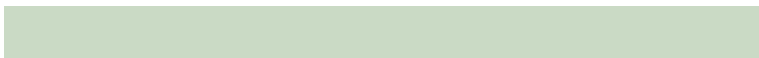
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6162, 0.3101, 0.3063



66.6162, 0.3433, 0.3413



66.6162, 0.3147, 0.3532



66.6162, 0.2831, 0.3156



# Rectangle

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



66.6162, 0.3101, 0.3063



66.6162, 0.3345, 0.3236



66.6162, 0.3147, 0.3532



66.6162, 0.2913, 0.3340

# Sweetspot

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



66.6191, 0.3101, 0.3063



94.8736, 0.3119, 0.3217



66.7806, 0.2985, 0.3114



20.0207, 0.3117, 0.3197



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.



66.6191, 0.3101, 0.3063



82.1517, 0.3095, 0.3015



67.1371, 0.3174, 0.3121



14.4341, 0.3100, 0.3056



8.4851, 0.2617, 0.1215



0.6687, 0.2707, 0.1265



# Inverse Universe

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



66.5719, 0.3251, 0.3236



82.0882, 0.3280, 0.3225



74.2627, 0.3083, 0.3465



14.4237, 0.3255, 0.3235



9.6936, 0.5964, 0.3059

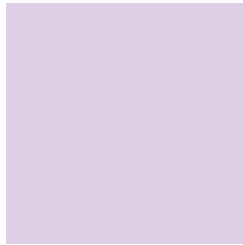


0.7306, 0.5553, 0.2833



# Previews

## White Background



This preview shows how the Yxy color 66.6162, 0.3101, 0.3063 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

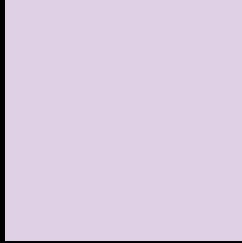
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6162, 0.3101, 0.3063 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

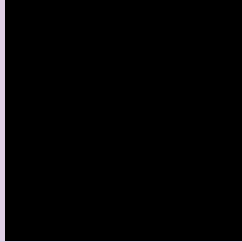
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

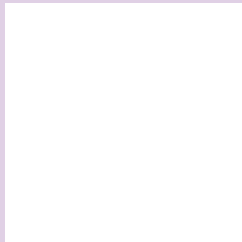
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.6162, 0.3101, 0.3063**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6162, 0.3101, 0.3063.



This preview shows how white text looks on a background with the Yxy color 66.6162, 0.3101, 0.3063.

# 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

66.6162, 0.3101, 0.3063

### Protanopia

66.8535, 0.3000, 0.3080

### Deuteranopia

66.6137, 0.3123, 0.3054



## Tritanopia

66.7251, 0.3121, 0.3116

# Trichromacy



## Original Color

66.6162, 0.3101, 0.3063

## Protanomaly

66.9006, 0.3035, 0.3082

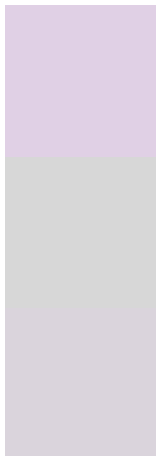
## Deuteranomaly

66.4515, 0.3116, 0.3053

## Tritanomaly

66.7799, 0.3114, 0.3105

# Monochromacy



## Original Color

66.6162, 0.3101, 0.3063

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.1597, 0.3117, 0.3202

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  66.6162, 0.3101, 0.3063 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, 208, 229)` looks like.

```
.text, #text, p{  
    color:rgb(224, 208, 229)  
}
```

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, 208, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 208, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6162, 0.3101, 0.3063 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, 208, 229) }
```

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

```
.border{ border-color:rgb(224, 208, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 208, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 208, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 208, 229);  
box-shadow:4px 4px 4px 4px rgb(224, 208,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6162, 0.3101, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 208, 229) }
```

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

```
.background{ background-color: rgb(224,  
208, 229) }
```

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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