

# Converting Colors

$Y_{xy}(69.3170, 0.2987, 0.2889)$

Have a look what the booklet for  
Yxy(69.3170, 0.2987, 0.2889)  
contains.

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# Color

**Yxy(69.1015, 0.2982, 0.2882)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D2F9
RGB	226, 210, 249
RGB Percent	89%, 82%, 98%
CMY	0.1138, 0.1764, 0.0236
CMYK	0.09, 0.16, 0.00, 0.02
HSL	265°, 76%, 90%
HSV	265°, 16%, 98%
XYZ	71.4992, 69.1015, 99.1686
YIQ	219.2300, -2.9830, 15.5210

# Conversions

## Conversions Part 2

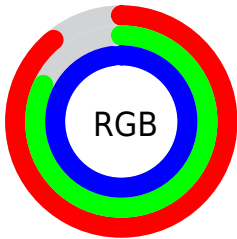
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 210, 249
Decimal	14865145
CIE Lab	86.55, 12.69, -17.05
CIE LCh	87, 21.253, 306.662
Yxy	69.1015, 0.2982, 0.2882
Android (android.graphics.Color)	4293055225 (0xFFE2D2F9)
YUV	219.2300, 14.6766, 5.9373
Hunter-Lab	83.1273, 8.0580, -12.5422

# Details

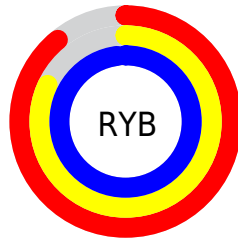
The Yxy color **69.1015, 0.2982, 0.2882** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.7151, 0.3256, 0.3693**, and the grayscale version is **70.9030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1732, 0.2937, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **55.4757, 0.2870, 0.2593**, and if you desaturate by 10%, it is **84.8494, 0.3079, 0.3150**.

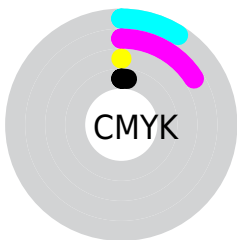
# Distribution



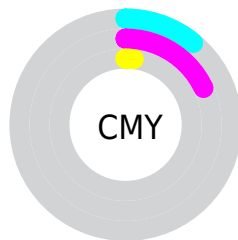
- Red (89%)
- Green (82%)
- Blue (98%)



- Red (89%)
- Yellow (82%)
- Blue (98%)



- Cyan (9%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (18%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1015, 0.2982, 0.2882 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 69.1015, 0.2982, 0.2882 by changing the saturation by 10% instead.



69.1015, 0.2982,  
0.2882

69.1015, 0.2982,  
0.2882

457.3889, 0.3051,  
0.3067

50.7944, 0.2966,  
0.2841

117.9265, 0.3006,  
0.2946

36.0450, 0.2945,  
0.2790

149.2132, 0.3016,  
0.2971

24.4689, 0.2919,  
0.2726

185.5953, 0.3024,  
0.2992

15.6818, 0.2885,  
0.2644

227.4570, 0.3031,  
0.3011

9.2993, 0.2837,  
0.2534

275.1828, 0.3037,  
0.3028

4.9369, 0.2766,  
0.2381

329.1571, 0.3042,

2.2103, 0.2653,

0.3042

0.2153

389.7644, 0.3047,  
0.3056

0.7256, 0.2452,  
0.1762

0.0000, 0.0000,  
0.0000

69.1015, 0.2982,  
0.2882

69.1015, 0.2982,  
0.2882

55.4757, 0.2870,  
0.2593

84.8494, 0.3079,  
0.3150

43.8699, 0.2744,  
0.2287

99.6178, 0.3162,  
0.3348

34.1867, 0.2604,  
0.1975

26.3170, 0.2454,  
0.1669

■ 20.1401, 0.2300,  
0.1386

■ 15.5205, 0.2150,  
0.1143

■ 12.3002, 0.2011,  
0.0955

■ 10.2852, 0.1889,  
0.0829

■ 9.6611, 0.1842,  
0.0789

# Harmonies

## Analogous

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



69.1015, 0.2766, 0.2862



69.1015, 0.2982, 0.2882



69.1015, 0.3245, 0.3000

# Triad

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



69.1015, 0.2982, 0.2882



69.1015, 0.3628, 0.3607



69.1015, 0.2777, 0.3383

# Complementary

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



69.1015, 0.2982, 0.2882



89.7151, 0.3256, 0.3693

# 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.



69.1015, 0.2996, 0.3609



69.1015, 0.2982, 0.2882



69.1015, 0.3490, 0.3734

# Square

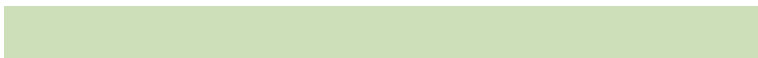
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.1015, 0.2982, 0.2882



69.1015, 0.3627, 0.3407



69.1015, 0.3257, 0.3739



69.1015, 0.2652, 0.3140



# Rectangle

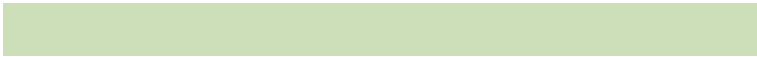
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.1015, 0.2982, 0.2882



69.1015, 0.3413, 0.3119



69.1015, 0.3257, 0.3739



69.1015, 0.2841, 0.3465

# Sweetspot

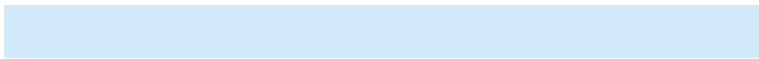
The Sweet Spot groups the original color and five complimentary colors.



69.1044, 0.2982, 0.2882



90.7333, 0.3085, 0.3166



79.0415, 0.2883, 0.3124



19.1520, 0.3078, 0.3148



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.



69.1044, 0.2982, 0.2882



67.8604, 0.2946, 0.2787



72.3664, 0.3117, 0.2899



16.9901, 0.3043, 0.3049



5.2509, 0.1859, 0.0798



0.5466, 0.1991, 0.0870



# Inverse Universe

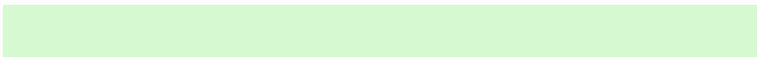
The Inverse Universe completely reimagines the original color for something new.



72.1211, 0.3256, 0.3057



71.6751, 0.3289, 0.3005



86.6716, 0.3132, 0.3708



17.3972, 0.3201, 0.3151



11.9373, 0.4582, 0.2298

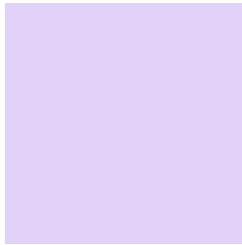


1.1267, 0.4373, 0.2182



# Previews

## White Background



This preview shows how the Yxy color 69.1015, 0.2982, 0.2882 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

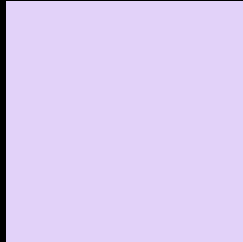
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1015, 0.2982, 0.2882 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

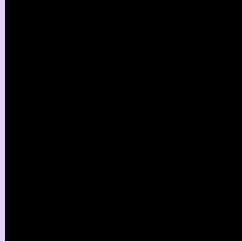
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

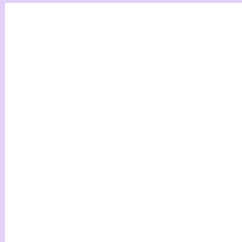
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.1015, 0.2982, 0.2882**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1015, 0.2982, 0.2882.



This preview shows how white text looks on a background with the Yxy color 69.1015, 0.2982, 0.2882.

# 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

69.1015, 0.2982, 0.2882

### Protanopia

69.3308, 0.2856, 0.2893

### Deuteranopia

68.9577, 0.2954, 0.2889



## Tritanopia

68.9896, 0.3085, 0.3107

# Trichromacy



## Original Color

69.1015, 0.2982, 0.2882

## Protanomaly

69.1525, 0.2901, 0.2886

## Deuteranomaly

69.1161, 0.2961, 0.2890

## Tritanomaly

69.0487, 0.3046, 0.3023

# Monochromacy



## Original Color

69.1015, 0.2982, 0.2882

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.3545, 0.3077, 0.3139

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1015, 0.2982, 0.2882 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(226, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(226, 210, 249)  
}
```

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(226, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 210, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1015, 0.2982, 0.2882 is called "border". The border property can be set on classes, ids or directly on the HTML element.

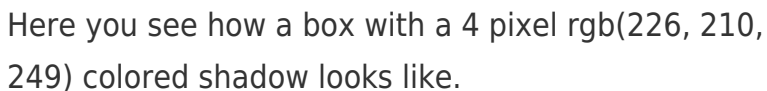
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 210, 249) }
```

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

```
.border{ border-color:rgb(226, 210, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 210, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 210, 249); box-shadow:4px 4px 4px 4px rgb(226, 210, 249) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1015, 0.2982, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 210, 249) }
```

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

```
.background{ background-color: rgb(226,  
210, 249) }
```

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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