

# Converting Colors

$Y_{xy}(69.3095, 0.2927, 0.2825)$

Have a look what the booklet for  
Yxy(69.3095, 0.2927, 0.2825)  
contains.

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# Color

**Yxy(69.1605, 0.2930, 0.2821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0D2FF
RGB	224, 210, 255
RGB Percent	88%, 82%, 100%
CMY	0.1216, 0.1764, 0.0000
CMYK	0.12, 0.18, 0.00, 0.00
HSL	259°, 100%, 91%
HSV	259°, 18%, 100%
XYZ	71.8328, 69.1605, 104.1698
YIQ	219.3160, -6.1010, 16.9630

# Conversions

## Conversions Part 2

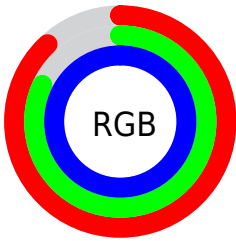
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 210, 255
Decimal	14734079
CIE Lab	86.58, 13.27, -20.20
CIE LCh	87, 24.172, 303.298
Yxy	69.1605, 0.2930, 0.2821
Android (android.graphics.Color)	4292924159 (0xFFE0D2FF)
YUV	219.3160, 17.5922, 4.1079
Hunter-Lab	83.1628, 8.6465, -16.0528

# Details

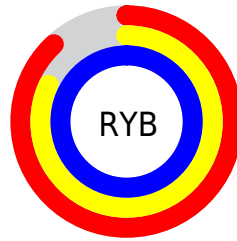
The Yxy color **69.1605, 0.2930, 0.2821** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.8790, 0.3302, 0.3744**, and the grayscale version is **70.9484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1790, 0.2879, 0.2724** is the 20% darker color. If you saturate the color by 10%, you get **54.8935, 0.2795, 0.2521**, and if you desaturate by 10%, it is **85.7299, 0.3048, 0.3097**.

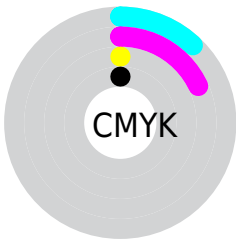
# Distribution



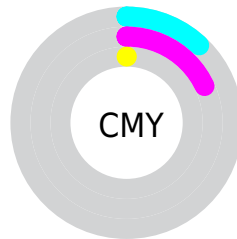
- Red (88%)
- Green (82%)
- Blue (100%)



- Red (88%)
- Yellow (82%)
- Blue (100%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1605, 0.2930, 0.2821 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 69.1605, 0.2930, 0.2821 by changing the saturation by 10% instead.



69.1605, 0.2930,  
0.2821

69.1605, 0.2930,  
0.2821

457.5968, 0.3024,  
0.3033

50.8424, 0.2908,  
0.2774

118.0108, 0.2963,  
0.2894

36.0832, 0.2881,  
0.2716

149.3118, 0.2976,  
0.2922

24.4985, 0.2846,  
0.2644

185.7092, 0.2986,  
0.2947

15.7038, 0.2800,  
0.2551

227.5875, 0.2996,  
0.2969

9.3148, 0.2737,  
0.2428

275.3310, 0.3004,  
0.2988

4.9471, 0.2646,  
0.2258

329.3242, 0.3011,

2.2162, 0.2501,

0.3005

0.2007

389.9513, 0.3018,  
0.3020

0.7288, 0.2250,  
0.1594

0.0000, 0.0000,  
0.0000

69.1605, 0.2930,  
0.2821

69.1605, 0.2930,  
0.2821

54.8935, 0.2795,  
0.2521

85.7299, 0.3048,  
0.3097

42.8165, 0.2644,  
0.2203

100.0000, 0.3127,  
0.3290

32.8208, 0.2480,  
0.1877

24.7847, 0.2308,  
0.1560

■ 18.5734, 0.2136,  
0.1269

■ 14.0344, 0.1975,  
0.1025

■ 10.9893, 0.1834,  
0.0843

■ 9.2053, 0.1721,  
0.0730

■ 8.8910, 0.1698,  
0.0709

# Harmonies

## Analogous

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



69.1605, 0.2697, 0.2811



69.1605, 0.2930, 0.2821



69.1605, 0.3227, 0.2942

# Triad

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



69.1605, 0.2930, 0.2821



69.1605, 0.3705, 0.3625



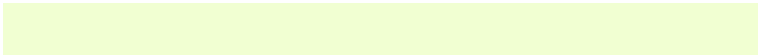
69.1605, 0.2753, 0.3427

# Complementary

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



69.1605, 0.2930, 0.2821



94.8790, 0.3302, 0.3744

# 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.



69.1605, 0.3009, 0.3679



69.1605, 0.2930, 0.2821



69.1605, 0.3563, 0.3784

# Square

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



69.1605, 0.2930, 0.2821



69.1605, 0.3686, 0.3392



69.1605, 0.3306, 0.3811



69.1605, 0.2599, 0.3146



# Rectangle

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



69.1605, 0.2930, 0.2821



69.1605, 0.3421, 0.3072



69.1605, 0.3306, 0.3811



69.1605, 0.2829, 0.3519

# Sweetspot

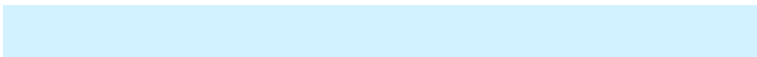
The Sweet Spot groups the original color and five complimentary colors.



69.1634, 0.2930, 0.2821



90.5040, 0.3076, 0.3166



84.1321, 0.2853, 0.3149



19.0964, 0.3069, 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.



69.1634, 0.2930, 0.2821



64.1216, 0.2887, 0.2723



72.9118, 0.3084, 0.2842



17.6514, 0.3027, 0.3048



4.7147, 0.1713, 0.0717



0.5140, 0.1832, 0.0783



# Inverse Universe

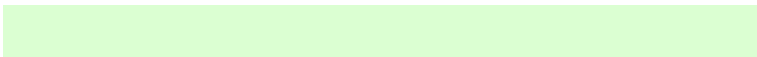
The Inverse Universe completely reimagines the original color for something new.



73.7110, 0.3244, 0.2983



69.4381, 0.3270, 0.2922



91.2350, 0.3161, 0.3764



18.1987, 0.3186, 0.3127



12.7706, 0.4189, 0.2081



1.2631, 0.4049, 0.2004



# Previews

## White Background



This preview shows how the Yxy color 69.1605, 0.2930, 0.2821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

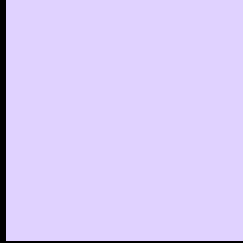
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1605, 0.2930, 0.2821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

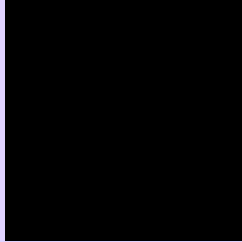
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.1605, 0.2930, 0.2821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1605, 0.2930, 0.2821.

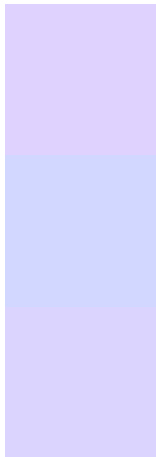


This preview shows how white text looks on a background with the Yxy color 69.1605, 0.2930, 0.2821.

# 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

69.1605, 0.2930, 0.2821

### Protanopia

69.3762, 0.2832, 0.2862

### Deuteranopia

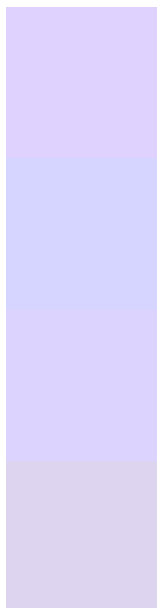
69.3670, 0.2897, 0.2838



## Tritanopia

69.0783, 0.3057, 0.3106

# Trichromacy



## Original Color

69.1605, 0.2930, 0.2821

## Protanomaly

69.1046, 0.2864, 0.2844

## Deuteranomaly

69.1807, 0.2910, 0.2829

## Tritanomaly

69.2519, 0.3005, 0.3001

# Monochromacy



## Original Color

69.1605, 0.2930, 0.2821

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.3101, 0.3057, 0.3118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1605, 0.2930, 0.2821 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, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 210, 255)  
}
```

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, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 210, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1605, 0.2930, 0.2821 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, 210, 255) }
```

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

```
.border{ border-color:rgb(224, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 210,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1605, 0.2930, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 210, 255) }
```

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

```
.background{ background-color: rgb(224,  
210, 255) }
```

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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