

# Converting Colors

$Y_{xy}(79.2991, 0.3040, 0.2984)$

Have a look what the booklet for  
Yxy(79.2991, 0.3040, 0.2984)  
contains.

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# Color

**Yxy(79.0566, 0.3039, 0.2980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E0FF
RGB	240, 224, 255
RGB Percent	94%, 88%, 100%
CMY	0.0591, 0.1215, 0.0000
CMYK	0.06, 0.12, 0.00, 0.00
HSL	271°, 100%, 94%
HSV	271°, 12%, 100%
XYZ	80.6218, 79.0566, 105.6122
YIQ	232.3180, -0.4150, 13.0330

# Conversions

## Conversions Part 2

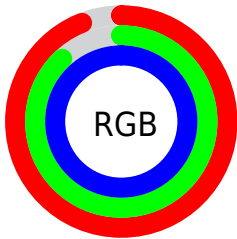
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 224, 255
Decimal	15786239
CIE <sub>Lab</sub>	91.26, 10.98, -13.05
CIE <sub>LCh</sub>	91, 17.051, 310.080
Yxy	79.0566, 0.3039, 0.2980
Android (android.graphics.Color)	4293976319 (0xFFFF0E0FF)
YUV	232.3180, 11.1822, 6.7371
Hunter-Lab	88.9138, 6.2542, -8.1853

# Details

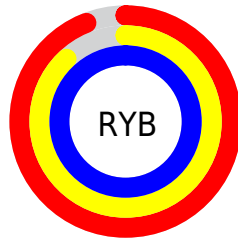
The Yxy color **79.0566, 0.3039, 0.2980** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.2672, 0.3207, 0.3601**, and the grayscale version is **80.8574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6435, 0.3021, 0.2918** is the 20% darker color. If you saturate the color by 10%, you get **64.2669, 0.2953, 0.2703**, and if you desaturate by 10%, it is **96.0568, 0.3113, 0.3238**.

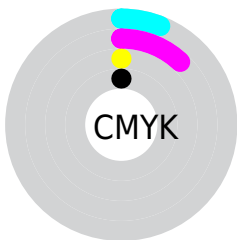
# Distribution



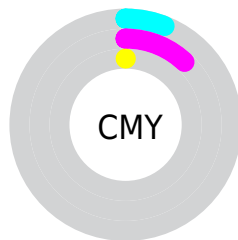
- Red (94%)
- Green (88%)
- Blue (100%)



- Red (94%)
- Yellow (88%)
- Blue (100%)



- Cyan (6%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (12%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0566, 0.3039, 0.2980 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 79.0566, 0.3039, 0.2980 by changing the saturation by 10% instead.




 79.0566, 0.3039,  
0.2980

 79.0566, 0.3039,  
0.2980

491.7478, 0.3080,  
0.3118

 58.9423, 0.3030,  
0.2950


132.0385, 0.3053,  
0.3027

 42.5667, 0.3018,  
0.2912


165.6750, 0.3059,  
0.3046

 29.5453, 0.3003,  
0.2866


204.5877, 0.3064,  
0.3062

 19.4937, 0.2983,  
0.2808

249.1609, 0.3068,  
0.3076

 12.0276, 0.2957,  
0.2730

299.7792, 0.3072,  
0.3088

 6.7625, 0.2918,  
0.2623

356.8268, 0.3075,

 3.3140, 0.2858,

0.3099

0.2466

420.6882, 0.3078,  
0.3109

■ 1.2978, 0.2753,  
0.2216

■ 0.1395, 0.2492,  
0.0868

■ 79.0566, 0.3039,  
0.2980

■ 79.0566, 0.3039,  
0.2980

■ 64.2669, 0.2953,  
0.2703

■ 96.0568, 0.3113,  
0.3238

■ 51.5836, 0.2853,  
0.2411

99.9997, 0.3127,  
0.3290

■ 40.9089, 0.2742,  
0.2112

■ 32.1333, 0.2620,  
0.1817

■ 25.1362, 0.2491,  
0.1541

■ 19.7829, 0.2360,  
0.1299

■ 15.9184, 0.2233,  
0.1105

■ 13.3562, 0.2115,  
0.0966

■ 12.0399, 0.2031,  
0.0892

# Harmonies

## Analogous

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



79.0566, 0.2865, 0.2957



79.0566, 0.3039, 0.2980



79.0566, 0.3242, 0.3079

# Triad

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



79.0566, 0.3039, 0.2980



79.0566, 0.3504, 0.3551



79.0566, 0.2842, 0.3341

# Complementary

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



79.0566, 0.3039, 0.2980



95.2672, 0.3207, 0.3601

# 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.



79.0566, 0.3006, 0.3516



79.0566, 0.3039, 0.2980



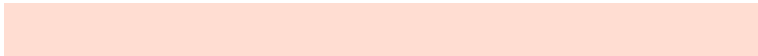
79.0566, 0.3389, 0.3636

# Square

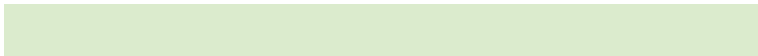
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0566, 0.3039, 0.2980



79.0566, 0.3515, 0.3402



79.0566, 0.3206, 0.3625



79.0566, 0.2754, 0.3158



# Rectangle

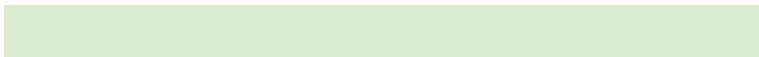
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0566, 0.3039, 0.2980



79.0566, 0.3366, 0.3177



79.0566, 0.3206, 0.3625



79.0566, 0.2890, 0.3403

# Sweetspot

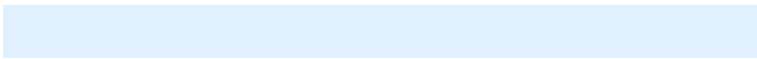
The Sweet Spot groups the original color and five complimentary colors.



79.0600, 0.3039, 0.2980



92.7348, 0.3100, 0.3191



85.1050, 0.2937, 0.3132



19.5654, 0.3095, 0.3172



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.



79.0600, 0.3039, 0.2980



74.6168, 0.3016, 0.2903



81.8059, 0.3141, 0.2990



17.8363, 0.3060, 0.3050



6.3807, 0.2047, 0.0902



0.6863, 0.2169, 0.0968



# Inverse Universe

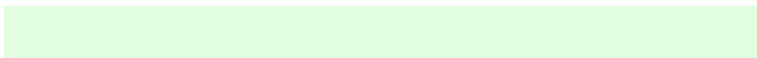
The Inverse Universe completely reimagines the original color for something new.



80.8239, 0.3246, 0.3142



76.7759, 0.3278, 0.3105



92.7520, 0.3112, 0.3610



18.1344, 0.3218, 0.3175



11.8999, 0.5022, 0.2540

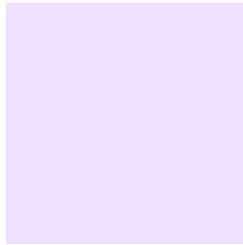


1.1806, 0.4760, 0.2396



# Previews

## White Background



This preview shows how the Yxy color 79.0566, 0.3039, 0.2980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

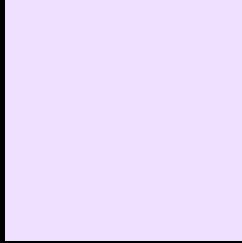
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0566, 0.3039, 0.2980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

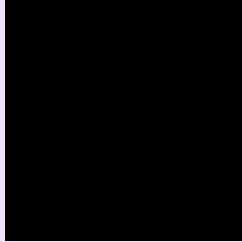
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.0566, 0.3039, 0.2980**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0566, 0.3039, 0.2980.

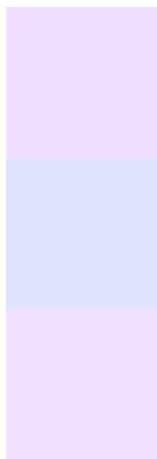


This preview shows how white text looks on a background with the Yxy color 79.0566, 0.3039, 0.2980.

# 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

79.0566, 0.3039, 0.2980

### Protanopia

78.8756, 0.2947, 0.3013

### Deuteranopia

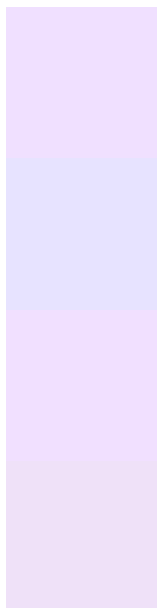
79.2321, 0.3046, 0.2980



## Tritanopia

79.1015, 0.3095, 0.3107

# Trichromacy



## Original Color

79.0566, 0.3039, 0.2980

## Protanomaly

79.1471, 0.2980, 0.3005

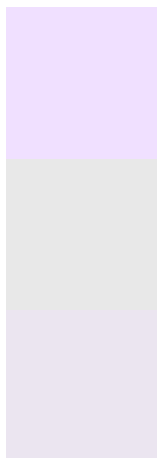
## Deuteranomaly

79.2321, 0.3046, 0.2980

## Tritanomaly

78.9785, 0.3076, 0.3058

# Monochromacy



## Original Color

79.0566, 0.3039, 0.2980

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

79.9921, 0.3098, 0.3177

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0566, 0.3039, 0.2980 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(240, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 224, 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(240, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 224, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0566, 0.3039, 0.2980 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(240, 224, 255) }
```

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

```
.border{ border-color:rgb(240, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 224,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0566, 0.3039, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 224, 255) }
```

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

```
.background{ background-color: rgb(240,  
224, 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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