

# Converting Colors

$Y_{xy}(75.5121, 0.3012, 0.2901)$

Have a look what the booklet for  
Yxy(75.5121, 0.3012, 0.2901)  
contains.

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# Color

**Yxy(75.3673, 0.3020, 0.2916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDAFF
RGB	237, 218, 255
RGB Percent	93%, 85%, 100%
CMY	0.0704, 0.1451, 0.0000
CMYK	0.07, 0.15, 0.00, 0.00
HSL	271°, 100%, 93%
HSV	271°, 15%, 100%
XYZ	78.0553, 75.3673, 105.0387
YIQ	227.8990, -0.5530, 15.5350

# Conversions

## Conversions Part 2

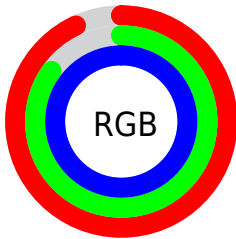
Format	Color
R <sub>Y</sub> B	237, 218, 255
Decimal	15588095
CIE Lab	89.56, 13.21, -15.61
CIE LCh	90, 20.448, 310.236
Yxy	75.3673, 0.3020, 0.2916
Android (android.graphics.Color)	4293778175 (0xFFEDDAFF)
YUV	227.8990, 13.3608, 7.9816
Hunter-Lab	86.8143, 8.5653, -10.9663

# Details

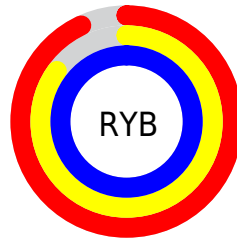
The Yxy color **75.3673, 0.3020, 0.2916** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.4053, 0.3222, 0.3665**, and the grayscale version is **77.4113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.0954, 0.2995, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **61.0898, 0.2931, 0.2635**, and if you desaturate by 10%, it is **91.8327, 0.3097, 0.3179**.

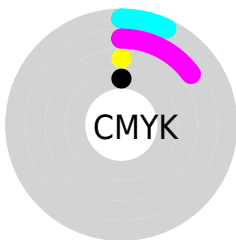
# Distribution



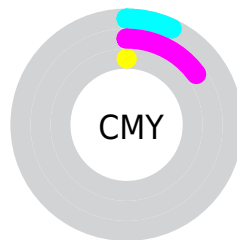
- Red (93%)
- Green (85%)
- Blue (100%)



- Red (93%)
- Yellow (85%)
- Blue (100%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3673, 0.3020, 0.2916 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 75.3673, 0.3020, 0.2916 by changing the saturation by 10% instead.




 75.3673, 0.3020,  
0.2916

 75.3673, 0.3020,  
0.2916


479.1791, 0.3071,  
0.3084

 55.9138, 0.3008,  
0.2879


126.8322, 0.3038,  
0.2973

 40.1339, 0.2993,  
0.2834

159.6123, 0.3045,  
0.2996

 27.6429, 0.2975,  
0.2778


197.6036, 0.3051,  
0.3015

 18.0567, 0.2950,  
0.2706

241.1902, 0.3056,  
0.3032

 10.9907, 0.2916,  
0.2612

290.7567, 0.3060,  
0.3047

 6.0606, 0.2866,  
0.2481

346.6874, 0.3064,

 2.8819, 0.2788,

0.3061

0.2289

409.3667, 0.3068,  
0.3073

■ 1.0704, 0.2649,  
0.1985

■ 0.0000, 0.2100,  
0.0000

■ 75.3673, 0.3020,  
0.2916

■ 75.3673, 0.3020,  
0.2916

■ 61.0898, 0.2931,  
0.2635

■ 91.8327, 0.3097,  
0.3179

■ 48.8949, 0.2829,  
0.2340

99.9999, 0.3127,  
0.3290

■ 38.6830, 0.2715,  
0.2041

■ 30.3420, 0.2591,  
0.1750

■ 23.7486, 0.2461,  
0.1481

■ 18.7638, 0.2331,  
0.1250

■ 15.2267, 0.2206,  
0.1068

■ 12.9401, 0.2091,  
0.0943

■ 12.0647, 0.2033,  
0.0894

# Harmonies

## Analogous

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



75.3673, 0.2809, 0.2886



75.3673, 0.3020, 0.2916



75.3673, 0.3267, 0.3036

# Triad

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



75.3673, 0.3020, 0.2916



75.3673, 0.3586, 0.3606



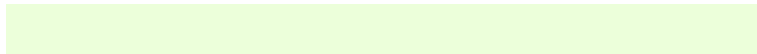
75.3673, 0.2780, 0.3350

# Complementary

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



75.3673, 0.3020, 0.2916



94.4053, 0.3222, 0.3665

# 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.



75.3673, 0.2977, 0.3566



75.3673, 0.3020, 0.2916



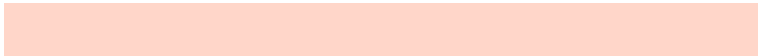
75.3673, 0.3444, 0.3712

# Square

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



75.3673, 0.3020, 0.2916



75.3673, 0.3601, 0.3424



75.3673, 0.3220, 0.3701



75.3673, 0.2675, 0.3126



# Rectangle

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



75.3673, 0.3020, 0.2916



75.3673, 0.3419, 0.3153



75.3673, 0.3220, 0.3701



75.3673, 0.2837, 0.3427

# Sweetspot

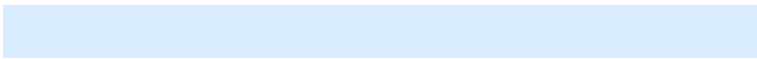
The Sweet Spot groups the original color and five complimentary colors.



75.3705, 0.3020, 0.2916



92.7371, 0.3100, 0.3191



82.4011, 0.2899, 0.3098



19.5659, 0.3095, 0.3173



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.



75.3705, 0.3020, 0.2916



71.6181, 0.2999, 0.2848



78.6189, 0.3144, 0.2930



17.8374, 0.3060, 0.3050



6.3935, 0.2050, 0.0903



0.6876, 0.2171, 0.0969



# Inverse Universe

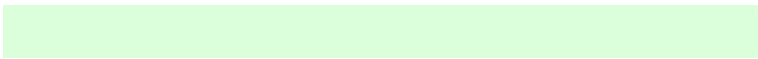
The Inverse Universe completely reimagines the original color for something new.



77.4524, 0.3272, 0.3112



74.0376, 0.3302, 0.3080



91.4850, 0.3109, 0.3678



18.1340, 0.3218, 0.3175



11.8959, 0.5027, 0.2543



1.1802, 0.4764, 0.2398



# Previews

## White Background



This preview shows how the Yxy color 75.3673, 0.3020, 0.2916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

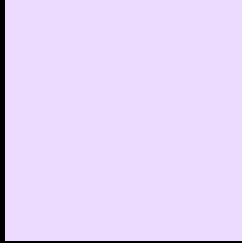
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.3673, 0.3020, 0.2916 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

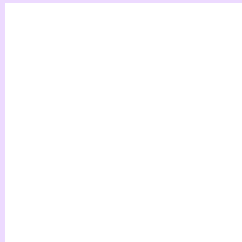
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.3673, 0.3020, 0.2916**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3673, 0.3020, 0.2916.

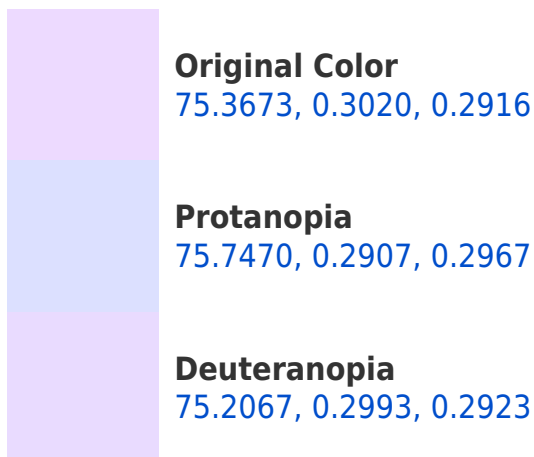


This preview shows how white text looks on a background with the Yxy color 75.3673, 0.3020, 0.2916.

# 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





## Tritanopia

75.3784, 0.3107, 0.3114

# Trichromacy



## Original Color

75.3673, 0.3020, 0.2916

## Protanomaly

75.6313, 0.2946, 0.2950

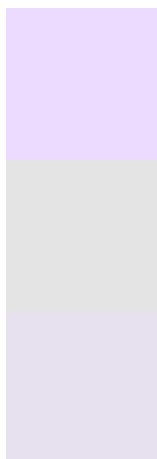
## Deuteranomaly

75.3755, 0.2999, 0.2924

## Tritanomaly

75.3802, 0.3076, 0.3043

# Monochromacy



## Original Color

75.3673, 0.3020, 0.2916

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.4733, 0.3086, 0.3144

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3673, 0.3020, 0.2916 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(237, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 218, 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(237, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 218, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3673, 0.3020, 0.2916 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(237, 218, 255) }
```

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

```
.border{ border-color:rgb(237, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 218,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3673, 0.3020, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 218, 255) }
```

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

```
.background{ background-color: rgb(237,  
218, 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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