

# Converting Colors

$Y_{xy}(65.4253, 0.3041, 0.2916)$

Have a look what the booklet for  
Yxy(65.4253, 0.3041, 0.2916)  
contains.

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# Color

**Yxy(65.4253, 0.3041, 0.2916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1CCEF
RGB	225, 204, 239
RGB Percent	88%, 80%, 94%
CMY	0.1176, 0.2000, 0.0626
CMYK	0.06, 0.15, 0.00, 0.06
HSL	276°, 52%, 87%
HSV	276°, 15%, 94%
XYZ	68.2299, 65.4253, 90.7114
YIQ	214.2690, 1.2810, 15.3370

# Conversions

## Conversions Part 2

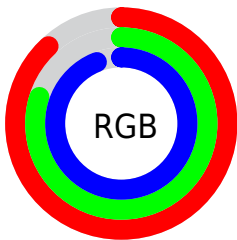
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 204, 239
Decimal	14798063
CIE Lab	84.70, 13.63, -14.57
CIE LCh	85, 19.950, 313.105
Yxy	65.4253, 0.3041, 0.2916
Android (android.graphics.Color)	4292988143 (0xFFE1CCEF)
YUV	214.2690, 12.1924, 9.4111
Hunter-Lab	80.8859, 9.0202, -9.8720

# Details

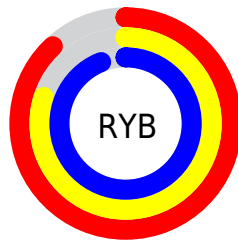
The Yxy color **65.4253, 0.3041, 0.2916** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.0134, 0.3202, 0.3670**, and the grayscale version is **67.3547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.7776, 0.3022, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **53.4305, 0.2969, 0.2641**, and if you desaturate by 10%, it is **79.2553, 0.3102, 0.3176**.

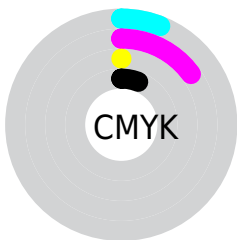
# Distribution



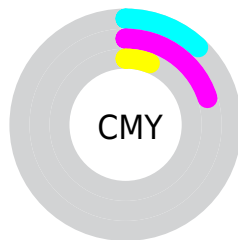
- Red (88%)
- Green (80%)
- Blue (94%)



- Red (88%)
- Yellow (80%)
- Blue (94%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)



- Cyan (12%)
- Magenta (20%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4253, 0.3041, 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 65.4253, 0.3041, 0.2916 by changing the saturation by 10% instead.



65.4253, 0.3041,  
0.2916

65.4253, 0.3041,  
0.2916

444.3187, 0.3083,  
0.3088

47.8060, 0.3031,  
0.2877

112.6611, 0.3056,  
0.2975

33.6733, 0.3018,  
0.2829

143.0464, 0.3062,  
0.2998

22.6427, 0.3001,  
0.2769

178.4558, 0.3067,  
0.3018

14.3299, 0.2978,  
0.2691

219.2738, 0.3071,  
0.3036

8.3505, 0.2946,  
0.2585

265.8846, 0.3075,  
0.3051

4.3200, 0.2897,  
0.2435

318.6728, 0.3078,

1.8541, 0.2814,

0.3065

0.2206

378.0227, 0.3081,  
0.3077

■ 0.5206, 0.2690,  
0.1692

■ 0.0000, 0.0000,  
0.0000

■ 65.4253, 0.3041,  
0.2916

■ 65.4253, 0.3041,  
0.2916

■ 53.4305, 0.2969,  
0.2641

■ 79.2553, 0.3102,  
0.3176

■ 43.1818, 0.2887,  
0.2355

■ 94.9878, 0.3153,  
0.3416

■ 34.5954, 0.2794,  
0.2069

■ 98.7669, 0.3212,  
0.3444

■ 27.5768, 0.2693,  
0.1793

■ 99.0134, 0.3220,  
0.3444

■ 22.0219, 0.2586,  
0.1540

■ 17.8133, 0.2477,  
0.1325

■ 14.8152, 0.2369,  
0.1156

■ 12.8612, 0.2268,  
0.1041

■ 12.1107, 0.2217,  
0.0995

# Harmonies

## Analogous

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



65.4253, 0.2820, 0.2876



65.4253, 0.3041, 0.2916



65.4253, 0.3294, 0.3046

# Triad

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



65.4253, 0.3041, 0.2916



65.4253, 0.3588, 0.3627



65.4253, 0.2757, 0.3328

# Complementary

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



65.4253, 0.3041, 0.2916



81.0134, 0.3202, 0.3670

# 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.



65.4253, 0.2951, 0.3554



65.4253, 0.3041, 0.2916



65.4253, 0.3432, 0.3726

# Square

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



65.4253, 0.3041, 0.2916



65.4253, 0.3617, 0.3447



65.4253, 0.3198, 0.3703



65.4253, 0.2661, 0.3102



# Rectangle

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



65.4253, 0.3041, 0.2916



65.4253, 0.3446, 0.3169



65.4253, 0.3198, 0.3703



65.4253, 0.2813, 0.3407

# Sweetspot

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



65.4281, 0.3041, 0.2916



92.8983, 0.3106, 0.3192



69.2177, 0.2896, 0.3058



19.6067, 0.3101, 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.



65.4281, 0.3041, 0.2916



70.8128, 0.3018, 0.2824



67.5681, 0.3169, 0.2963



15.6978, 0.3074, 0.3053



6.7695, 0.2232, 0.1003



0.6209, 0.2358, 0.1073



# Inverse Universe

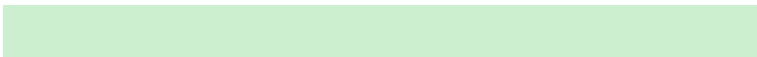
The Inverse Universe completely reimagines the original color for something new.



66.6021, 0.3296, 0.3142



72.4814, 0.3342, 0.3106



79.1138, 0.3088, 0.3641



15.8636, 0.3230, 0.3196



10.6279, 0.5377, 0.2736



0.9033, 0.5029, 0.2544



# Previews

## White Background



This preview shows how the Yxy color 65.4253, 0.3041, 0.2916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

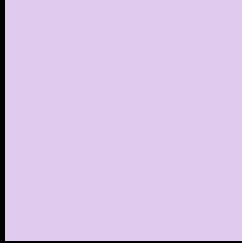
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.4253, 0.3041, 0.2916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

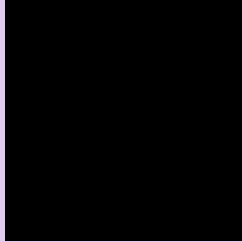
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

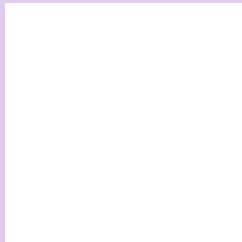
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.4253, 0.3041, 0.2916**

## Background



This preview shows how black text looks on a background with the Yxy color 65.4253, 0.3041, 0.2916.



This preview shows how white text looks on a background with the Yxy color 65.4253, 0.3041, 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



### Original Color

65.4253, 0.3041, 0.2916

### Protanopia

65.6861, 0.2882, 0.2927

### Deuteranopia

65.4347, 0.2998, 0.2933



## Tritanopia

65.6413, 0.3135, 0.3115

# Trichromacy



## Original Color

65.4253, 0.3041, 0.2916

## Protanomaly

65.6687, 0.2936, 0.2920

## Deuteranomaly

65.2668, 0.3012, 0.2924

## Tritanomaly

65.6470, 0.3102, 0.3041

# Monochromacy



## Original Color

65.4253, 0.3041, 0.2916

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.3263, 0.3097, 0.3147

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.4253, 0.3041, 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(225, 204, 239)` looks like.

```
.text, #text, p{  
    color:rgb(225, 204, 239)  
}
```

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(225, 204, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 204, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 65.4253, 0.3041, 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(225, 204, 239) }
```

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

```
.border{ border-color:rgb(225, 204, 239) }
```

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

Here you see how a box with a 4 pixel rgb(225, 204, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 204, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 204, 239);  
box-shadow:4px 4px 4px 4px rgb(225, 204,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.4253, 0.3041, 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(225, 204, 239) }
```

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

```
.background{ background-color: rgb(225,  
204, 239) }
```

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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