

# Converting Colors

Yxy(64.3604, 0.3035, 0.2856)

Have a look what the booklet for  
Yxy(64.3604, 0.3035, 0.2856)  
contains.

<b>Yxy(64.5150, 0.3036, 0.2855)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.5150, 0.3036, 0.2855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3C9F2
RGB	227, 201, 242
RGB Percent	89%, 79%, 95%
CMY	0.1096, 0.2118, 0.0509
CMYK	0.06, 0.17, 0.00, 0.05
HSL	278°, 61%, 87%
HSV	278°, 17%, 95%
XYZ	68.6051, 64.5150, 92.8519
YIQ	213.4480, 2.3350, 18.2630

# Conversions

## Conversions Part 2

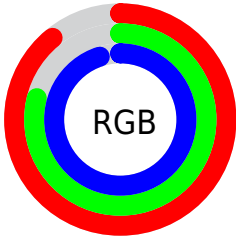
Format	Color
R <sub>Y</sub> B	227, 201, 242
Decimal	14928370
CIE Lab	84.23, 16.47, -16.84
CIE LCh	84, 23.561, 314.366
Yxy	64.5150, 0.3036, 0.2855
Android (android.graphics.Color)	4293118450 (0xFFE3C9F2)
YUV	213.4480, 14.0761, 11.8851
Hunter-Lab	80.3212, 11.9008, -12.3148

# Details

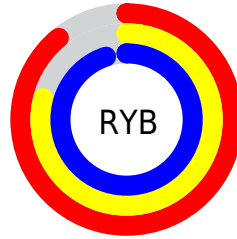
The Yxy color **64.5150, 0.3036, 0.2855** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.3211, 0.3204, 0.3736**, and the grayscale version is **66.7631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.0705, 0.3005, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **52.7109, 0.2969, 0.2579**, and if you desaturate by 10%, it is **78.1758, 0.3093, 0.3118**.

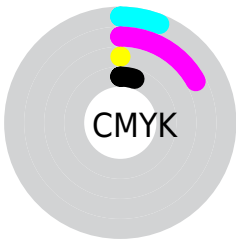
# Distribution



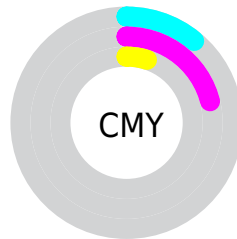
- Red (89%)
- Green (79%)
- Blue (95%)



- Red (89%)
- Yellow (79%)
- Blue (95%)



- Cyan (6%)
- Magenta (17%)
- Yellow (0%)
- Black (5%)




- Cyan (11%)
- Magenta (21%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5150, 0.3036, 0.2855 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 64.5150, 0.3036, 0.2855 by changing the saturation by 10% instead.




 64.5150, 0.3036,  
0.2855

 64.5150, 0.3036,  
0.2855


441.0470, 0.3081,  
0.3054

 47.0679, 0.3025,  
0.2810

111.3523, 0.3052,  
0.2924

 33.0893, 0.3011,  
0.2755


141.5113, 0.3059,  
0.2950

 22.1949, 0.2992,  
0.2686


176.6764, 0.3064,  
0.2974

 14.0002, 0.2967,  
0.2596

217.2320, 0.3068,  
0.2994

 8.1208, 0.2932,  
0.2475

263.5624, 0.3072,  
0.3012

 4.1723, 0.2877,  
0.2305

316.0522, 0.3076,

 1.7704, 0.2783,

0.3027

0.2049

375.0856, 0.3079,  
0.3041

0.4686, 0.2649,  
0.1464

0.0000, 0.0000,  
0.0000

64.5150, 0.3036,  
0.2855

64.5150, 0.3036,  
0.2855

52.7109, 0.2969,  
0.2579

78.1758, 0.3093,  
0.3118

42.6711, 0.2893,  
0.2296

93.7636, 0.3141,  
0.3363

34.3076, 0.2807,  
0.2016

98.9144, 0.3193,  
0.3415

27.5213, 0.2713,  
0.1750

99.1917, 0.3203,  
0.3415

■ 22.2025, 0.2615,  
0.1512

■ 18.2270, 0.2514,  
0.1313

■ 15.4490, 0.2416,  
0.1163

■ 13.6827, 0.2324,  
0.1063

■ 13.2563, 0.2297,  
0.1039

# Harmonies

## Analogous

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



64.5150, 0.2772, 0.2802



64.5150, 0.3036, 0.2855



64.5150, 0.3336, 0.3011

# Triad

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



64.5150, 0.3036, 0.2855



64.5150, 0.3669, 0.3694



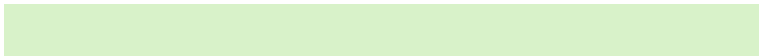
64.5150, 0.2683, 0.3321

# Complementary

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



64.5150, 0.3036, 0.2855



82.3211, 0.3204, 0.3736

# 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.



64.5150, 0.2906, 0.3595



64.5150, 0.3036, 0.2855



64.5150, 0.3477, 0.3811

# Square

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



64.5150, 0.3036, 0.2855



64.5150, 0.3712, 0.3482



64.5150, 0.3196, 0.3779



64.5150, 0.2576, 0.3054



# Rectangle

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



64.5150, 0.3036, 0.2855



64.5150, 0.3515, 0.3155



64.5150, 0.3196, 0.3779



64.5150, 0.2746, 0.3417

# Sweetspot

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



64.5177, 0.3036, 0.2855



91.2618, 0.3103, 0.3167



67.9546, 0.2857, 0.3002



19.2804, 0.3099, 0.3149



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.



64.5177, 0.3036, 0.2855



68.3068, 0.3016, 0.2771



66.7348, 0.3186, 0.2923



15.7265, 0.3080, 0.3053



7.2004, 0.2311, 0.1047



0.6551, 0.2429, 0.1112



# Inverse Universe

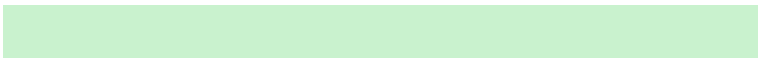
The Inverse Universe completely reimagines the original color for something new.



65.6023, 0.3338, 0.3133



69.7520, 0.3385, 0.3102



80.4072, 0.3073, 0.3686



15.8541, 0.3236, 0.3204



10.5459, 0.5519, 0.2814

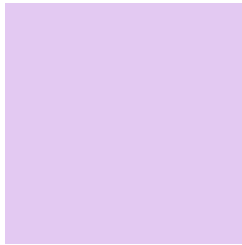


0.8958, 0.5157, 0.2615



# Previews

## White Background



This preview shows how the Yxy color 64.5150, 0.3036, 0.2855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

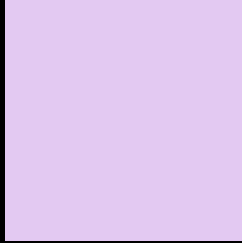
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5150, 0.3036, 0.2855 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

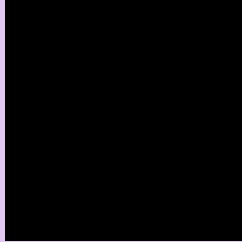
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.5150, 0.3036, 0.2855**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5150, 0.3036, 0.2855.



This preview shows how white text looks on a background with the Yxy color 64.5150, 0.3036, 0.2855.

# 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

64.5150, 0.3036, 0.2855

### Protanopia

64.5237, 0.2836, 0.2860

### Deuteranopia

64.6124, 0.2963, 0.2899



## Tritanopia

64.7304, 0.3158, 0.3115

# Trichromacy



## Original Color

64.5150, 0.3036, 0.2855

## Protanomaly

64.2523, 0.2909, 0.2855

## Deuteranomaly

64.7522, 0.2991, 0.2892

## Tritanomaly

64.8504, 0.3110, 0.3020

# Monochromacy



## Original Color

64.5150, 0.3036, 0.2855

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.8882, 0.3091, 0.3125

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5150, 0.3036, 0.2855 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(227, 201, 242)` looks like.

```
.text, #text, p{  
    color:rgb(227, 201, 242)  
}
```

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(227, 201, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 201, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5150, 0.3036, 0.2855 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(227, 201, 242) }
```

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

```
.border{ border-color:rgb(227, 201, 242) }
```

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

Here you see how a box with a 4 pixel rgb(227, 201, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 201, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 201, 242);  
box-shadow:4px 4px 4px 4px rgb(227, 201,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5150, 0.3036, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 201, 242) }
```

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

```
.background{ background-color: rgb(227,  
201, 242) }
```

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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