

# Converting Colors

$Y_{xy}(44.5047, 0.3152, 0.2519)$

Have a look what the booklet for  
Yxy(44.5047, 0.3152, 0.2519)  
contains.

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# Color

**Yxy(44.5125, 0.3154, 0.2525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF9BE0
RGB	223, 155, 224
RGB Percent	87%, 61%, 88%
CMY	0.1256, 0.3921, 0.1216
CMYK	0.00, 0.31, 0.00, 0.12
HSL	299°, 53%, 74%
HSV	299°, 31%, 88%
XYZ	55.6010, 44.5125, 76.1737
YIQ	183.1980, 18.3790, 35.8750

# Conversions

## Conversions Part 2

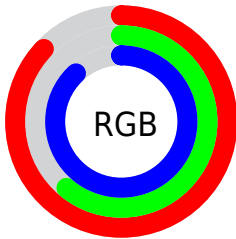
Format	Color
R <sub>Y</sub> B	223, 155, 224
Decimal	14654432
CIE Lab	72.57, 36.40, -24.84
CIE LCh	73, 44.070, 325.692
Yxy	44.5125, 0.3154, 0.2525
Android (android.graphics.Color)	4292844512 (0xFFDF9BE0)
YUV	183.1980, 20.1154, 34.9064
Hunter-Lab	66.7177, 32.0018, -20.9909

# Details

The Yxy color  $44.5125, 0.3154, 0.2525$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $62.7430, 0.3092, 0.4191$ , and the grayscale version is  $47.3491, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $74.5732, 0.3148, 0.2851$ , and  $20.7806, 0.3147, 0.2340$  is the 20% darker color. If you saturate the color by 10%, you get  $37.6847, 0.3161, 0.2286$ , and if you desaturate by 10%, it is  $52.7271, 0.3146, 0.2774$ .

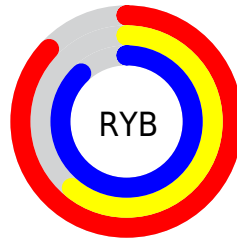
# Distribution



Red (87%)

Green (61%)

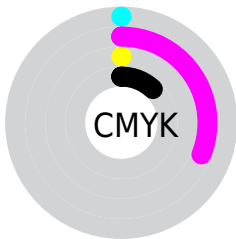
Blue (88%)



Red (87%)

Yellow (61%)

Blue (88%)

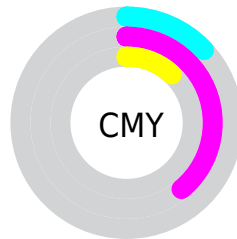


Cyan (0%)

Magenta (31%)

Yellow (0%)

Black (12%)



Cyan (13%)

Magenta (39%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5125, 0.3154, 0.2525 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 44.5125, 0.3154, 0.2525 by changing the saturation by 10% instead.





 44.5125, 0.3154,  
0.2525

 44.5125, 0.3154,  
0.2525


364.7956, 0.3150,  
0.2885

 31.0736, 0.3153,  
0.2442


 81.9884, 0.3154,  
0.2651

 20.6549, 0.3149,  
0.2339


 106.7942, 0.3154,  
0.2700

 12.8720, 0.3143,  
0.2208


136.1577, 0.3154,  
0.2741

 7.3405, 0.3131,  
0.2036

170.4634, 0.3153,  
0.2778

 3.6759, 0.3106,  
0.1804

210.0956, 0.3152,  
0.2810

 1.4940, 0.3052,  
0.1476

255.4388, 0.3151,

 0.2845, 0.3011,

0.2838

0.0714

306.8773, 0.3151,  
0.2863

0.0000, 0.1127,  
0.0000

0.0000, 0.0000,  
0.0000

44.5125, 0.3154,  
0.2525

44.5125, 0.3154,  
0.2525

37.6847, 0.3161,  
0.2286

52.7271, 0.3146,  
0.2774

32.1613, 0.3168,  
0.2067


62.3933, 0.3137,  
0.3025

27.8603, 0.3172,  
0.1878


73.5790, 0.3128,  
0.3271

24.6877, 0.3175,  
0.1727


86.3459, 0.3119,  
0.3506

 22.5363, 0.3176,  
0.1618

 92.8475, 0.3116,  
0.3610


 21.2780, 0.3175,  
0.1552

 92.9001, 0.3118,  
0.3610

 20.7080, 0.3172,  
0.1521

 92.9528, 0.3120,  
0.3610

 93.0057, 0.3122,  
0.3609

 93.0586, 0.3124,  
0.3609

# Harmonies

## Analogous

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



44.5125, 0.2572, 0.2337



44.5125, 0.3154, 0.2525



44.5125, 0.3788, 0.2874

# Triad

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



44.5125, 0.3154, 0.2525



44.5125, 0.4118, 0.4222



44.5125, 0.2114, 0.3092

# Complementary

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



44.5125, 0.3154, 0.2525



62.7430, 0.3092, 0.4191

# 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.



44.5125, 0.2459, 0.3734



44.5125, 0.3154, 0.2525



44.5125, 0.3612, 0.4433

# Square

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



44.5125, 0.3154, 0.2525



44.5125, 0.4367, 0.3803



44.5125, 0.3003, 0.4268



44.5125, 0.2020, 0.2601



# Rectangle

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



44.5125, 0.3154, 0.2525



44.5125, 0.4130, 0.3167



44.5125, 0.3003, 0.4268



44.5125, 0.2202, 0.3298

# Sweetspot

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



44.5145, 0.3154, 0.2525



86.1577, 0.3135, 0.3068



36.1846, 0.2584, 0.2404



17.9966, 0.3137, 0.3032



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.



44.5145, 0.3154, 0.2525



53.5866, 0.3159, 0.2369



43.0404, 0.3466, 0.2878



13.9249, 0.3136, 0.3059



12.0597, 0.3173, 0.1522



0.8392, 0.3179, 0.1525



# Inverse Universe

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



41.6952, 0.3813, 0.3280



49.2373, 0.4025, 0.3278



63.9217, 0.2887, 0.3744



13.7038, 0.3290, 0.3287



9.2299, 0.6384, 0.3291

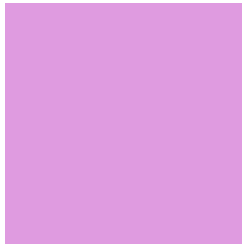


0.6409, 0.6336, 0.3264



# Previews

## White Background



This preview shows how the Yxy color 44.5125, 0.3154, 0.2525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

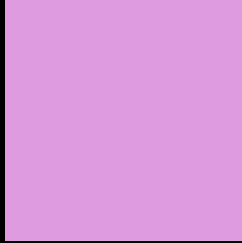
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5125, 0.3154, 0.2525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

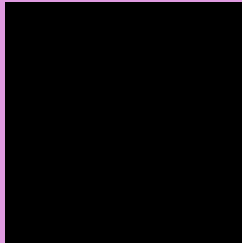
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.5125, 0.3154, 0.2525**

## Background



This preview shows how black text looks on a background with the Yxy color 44.5125, 0.3154, 0.2525.



This preview shows how white text looks on a background with the Yxy color 44.5125, 0.3154, 0.2525.

# 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

44.5125, 0.3154, 0.2525

### Protanopia

44.7562, 0.2558, 0.2511

### Deuteranopia

44.8259, 0.2779, 0.2725



## Tritanopia

44.4770, 0.3512, 0.3135

# Trichromacy



## Original Color

44.5125, 0.3154, 0.2525



## Protanomaly

44.0131, 0.2746, 0.2498



## Deuteranomaly

44.4322, 0.2911, 0.2651



## Tritanomaly

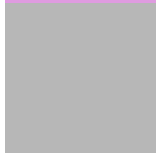
44.4448, 0.3378, 0.2904

# Monochromacy



## Original Color

44.5125, 0.3154, 0.2525



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

45.9701, 0.3142, 0.2982

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5125, 0.3154, 0.2525 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(223, 155, 224)` looks like.

```
.text, #text, p{  
    color:rgb(223, 155, 224)  
}
```

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(223, 155, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 155, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5125, 0.3154, 0.2525 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(223, 155, 224) }
```

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

```
.border{ border-color:rgb(223, 155, 224) }
```

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

Here you see how a box with a 4 pixel rgb(223, 155, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 155, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 155, 224);  
box-shadow:4px 4px 4px 4px rgb(223, 155,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5125, 0.3154, 0.2525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 155, 224) }
```

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

```
.background{ background-color: rgb(223,  
155, 224) }
```

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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