

# Converting Colors

$Y_{xy}(41.3983, 0.2970, 0.2577)$

Have a look what the booklet for  
Yxy(41.3983, 0.2970, 0.2577)  
contains.

<b>Yxy(41.2514, 0.2965, 0.2567)</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(41.2514, 0.2965, 0.2567)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C49EDA
RGB	196, 158, 218
RGB Percent	77%, 62%, 85%
CMY	0.2314, 0.3804, 0.1450
CMYK	0.10, 0.28, 0.00, 0.14
HSL	278°, 45%, 74%
HSV	278°, 28%, 86%
XYZ	47.6472, 41.2514, 71.8003
YIQ	176.2020, 3.3880, 26.7160

# Conversions

## Conversions Part 2

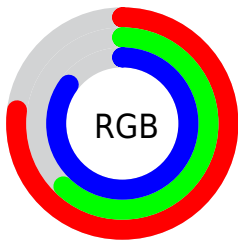
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 158, 218
Decimal	12885722
CIE <sub>Lab</sub>	70.35, 24.99, -25.20
CIE <sub>LCh</sub>	70, 35.488, 314.760
Yxy	41.2514, 0.2965, 0.2567
Android (android.graphics.Color)	4291075802 (0xFFC49EDA)
YUV	176.2020, 20.6064, 17.3628
Hunter-Lab	64.2273, 20.0232, -21.3218

# Details

The Yxy color **41.2514, 0.2965, 0.2567** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.3356, 0.3249, 0.4044**, and the grayscale version is **43.4169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6911, 0.3132, 0.2879**, and **18.7032, 0.2913, 0.2377** is the 20% darker color. If you saturate the color by 10%, you get **33.4180, 0.2888, 0.2285**, and if you desaturate by 10%, it is **50.4651, 0.3032, 0.2842**.

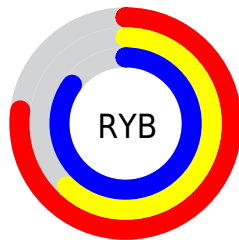
# Distribution



Red (77%)

Green (62%)

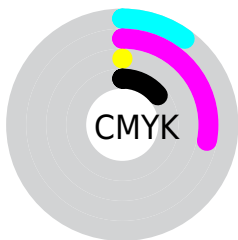
Blue (85%)



Red (77%)

Yellow (62%)

Blue (85%)

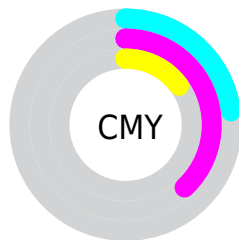


Cyan (10%)

Magenta (28%)

Yellow (0%)

Black (14%)



Cyan (23%)

Magenta (38%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2514, 0.2965, 0.2567 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 41.2514, 0.2965, 0.2567 by changing the saturation by 10% instead.





 41.2514, 0.2965,  
0.2567


 41.2514, 0.2965,  
0.2567


351.3702, 0.3053,  
0.2916

 28.5156, 0.2941,  
0.2484


 77.0654, 0.2999,  
0.2691

 18.7147, 0.2909,  
0.2381


 100.9123, 0.3011,  
0.2738

 11.4643, 0.2865,  
0.2247


129.2318, 0.3021,  
0.2778

 6.3800, 0.2802,  
0.2070

162.4081, 0.3030,  
0.2813

 3.0775, 0.2702,  
0.1824

200.8257, 0.3037,  
0.2844

 1.1723, 0.2532,  
0.1467

244.8690, 0.3043,

 0.0389, 0.2346,

0.2870

0.0141

294.9224, 0.3049,  
0.2894

0.0000, 0.0000,  
0.0000

41.2514, 0.2965,  
0.2567

41.2514, 0.2965,  
0.2567

33.4180, 0.2888,  
0.2285

50.4651, 0.3032,  
0.2842

26.8889, 0.2802,  
0.2007

61.1192, 0.3090,  
0.3104

21.5889, 0.2708,  
0.1743

73.2768, 0.3138,  
0.3349

17.4326, 0.2609,  
0.1506

86.9954, 0.3178,  
0.3574

14.3233, 0.2509,  
0.1309

94.4194, 0.3222,  
0.3665

■ 12.1476, 0.2411,  
0.1159

■ 95.8208, 0.3274,  
0.3659

■ 10.7514, 0.2319,  
0.1060

■ 97.2844, 0.3326,  
0.3653

■ 10.4644, 0.2296,  
0.1039

■ 97.8435, 0.3345,  
0.3651

# Harmonies

## Analogous

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



41.2514, 0.2522, 0.2469



41.2514, 0.2965, 0.2567



41.2514, 0.3492, 0.2821

# Triad

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



41.2514, 0.2965, 0.2567



41.2514, 0.4061, 0.3967



41.2514, 0.2362, 0.3322

# Complementary

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



41.2514, 0.2965, 0.2567



62.3356, 0.3249, 0.4044

# 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.



41.2514, 0.2728, 0.3834



41.2514, 0.2965, 0.2567



41.2514, 0.3711, 0.4203

# Square

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



41.2514, 0.2965, 0.2567



41.2514, 0.4155, 0.3592



41.2514, 0.3221, 0.4174



41.2514, 0.2198, 0.2854



# Rectangle

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



41.2514, 0.2965, 0.2567



41.2514, 0.3812, 0.3055



41.2514, 0.3221, 0.4174



41.2514, 0.2464, 0.3497

# Sweetspot

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



41.2531, 0.2965, 0.2567



86.2748, 0.3087, 0.3090



45.3866, 0.2680, 0.2810



17.9475, 0.3079, 0.3051



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.



41.2531, 0.2965, 0.2567



52.1527, 0.2922, 0.2405



44.0698, 0.3220, 0.2682



13.0235, 0.3080, 0.3055



6.3303, 0.2309, 0.1046



0.4584, 0.2456, 0.1127



# Inverse Universe

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



42.6624, 0.3506, 0.3028



54.5816, 0.3614, 0.2971



60.1445, 0.3046, 0.3986



13.1302, 0.3234, 0.3204



9.2963, 0.5499, 0.2803



0.6185, 0.5050, 0.2556



# Previews

## White Background



This preview shows how the Yxy color 41.2514, 0.2965, 0.2567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

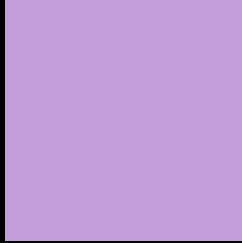
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.2514, 0.2965, 0.2567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

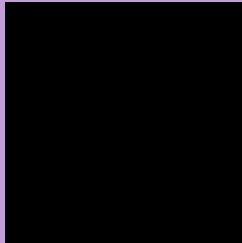
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.2514, 0.2965, 0.2567**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2514, 0.2965, 0.2567.



This preview shows how white text looks on a background with the Yxy color 41.2514, 0.2965, 0.2567.

# 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

41.2514, 0.2965, 0.2567

### Protanopia

41.4636, 0.2600, 0.2558

### Deuteranopia

41.4408, 0.2739, 0.2683



## Tritanopia

41.0718, 0.3247, 0.3121

# Trichromacy



## Original Color

41.2514, 0.2965, 0.2567

## Protanomaly

41.3122, 0.2719, 0.2560

## Deuteranomaly

41.2671, 0.2816, 0.2634

## Tritanomaly

40.8974, 0.3136, 0.2897

# Monochromacy



## Original Color

41.2514, 0.2965, 0.2567

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

42.2048, 0.3069, 0.3004

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2514, 0.2965, 0.2567 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(196, 158, 218)` looks like.

```
.text, #text, p{  
    color:rgb(196, 158, 218)  
}
```

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(196, 158, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 158, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2514, 0.2965, 0.2567 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(196, 158, 218) }
```

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

```
.border{ border-color:rgb(196, 158, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 158, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 158, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 158, 218);  
box-shadow:4px 4px 4px 4px rgb(196, 158,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2514, 0.2965, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 158, 218) }
```

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

```
.background{ background-color: rgb(196,  
158, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor