

# Converting Colors

$Y_{xy}(35.9112, 0.2639, 0.2178)$

Have a look what the booklet for  
Yxy(35.9112, 0.2639, 0.2178)  
contains.

<b>Yxy(35.9609, 0.2642, 0.2178)</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(35.9609, 0.2642, 0.2178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B092EE
RGB	176, 146, 238
RGB Percent	69%, 57%, 93%
CMY	0.3096, 0.4275, 0.0667
CMYK	0.26, 0.39, 0.00, 0.07
HSL	260°, 73%, 75%
HSV	260°, 39%, 93%
XYZ	43.6220, 35.9609, 85.5268
YIQ	165.4580, -11.6520, 34.9720

# Conversions

## Conversions Part 2

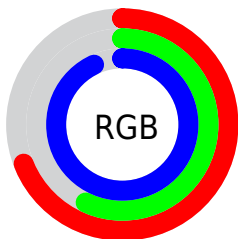
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 146, 238
Decimal	11571950
CIELab	66.49, 30.12, -42.31
CIELCh	66, 51.935, 305.445
Yxy	35.9609, 0.2642, 0.2178
Android (android.graphics.Color)	4289762030 (0xFFB092EE)
YUV	165.4580, 35.7632, 9.2453
Hunter-Lab	59.9674, 24.9030, -42.5835

# Details

The Yxy color **35.9609, 0.2642, 0.2178** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **76.6230, 0.3487, 0.4326**, and the grayscale version is **37.6898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8522, 0.2992, 0.2725**, and **15.6268, 0.2483, 0.1900** is the 20% darker color. If you saturate the color by 10%, you get **27.6138, 0.2481, 0.1856**, and if you desaturate by 10%, it is **46.0585, 0.2790, 0.2494**.

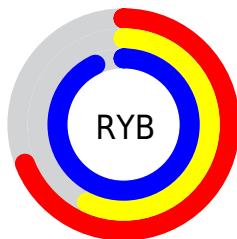
# Distribution



Red (69%)

Green (57%)

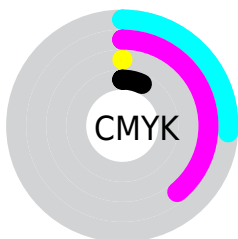
Blue (93%)



Red (69%)

Yellow (57%)

Blue (93%)

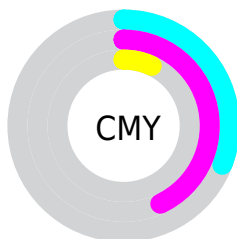


Cyan (26%)

Magenta (39%)

Yellow (0%)

Black (7%)



Cyan (31%)

Magenta (43%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9609, 0.2642, 0.2178 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 35.9609, 0.2642, 0.2178 by changing the saturation by 10% instead.





 35.9609, 0.2642,  
0.2178

 35.9609, 0.2642,  
0.2178


328.7896, 0.2899,  
0.2707

 24.4040, 0.2575,  
0.2056


 68.9717, 0.2738,  
0.2363

 15.6336, 0.2489,  
0.1906


 91.1944, 0.2773,  
0.2435

 9.2652, 0.2374,  
0.1717


117.7412, 0.2802,  
0.2496

 4.9146, 0.2215,  
0.1476

148.9964, 0.2828,  
0.2550

 2.1972, 0.1984,  
0.1164

185.3444, 0.2849,  
0.2597

 0.7185, 0.1636,  
0.0754

227.1697, 0.2868,


 0.0000, 0.0936,

0.2638


0.0000


274.8567, 0.2884,  
0.2675


 0.0000, 0.0000,  
0.0000

 35.9609, 0.2642,  
0.2178


 35.9609, 0.2642,  
0.2178


 27.6138, 0.2481,  
0.1856


 46.0585, 0.2790,  
0.2494


 20.9099, 0.2312,  
0.1543


 57.9969, 0.2923,  
0.2794


 15.7361, 0.2144,  
0.1258

 71.8651, 0.3039,  
0.3071

 11.9630, 0.1986,  
0.1021

 87.7451, 0.3140,  
0.3322

 9.4384, 0.1848,  
0.0845

 98.9528, 0.3226,  
0.3454

■ 7.9427, 0.1735,  
0.0734

■ 7.7815, 0.1722,  
0.0722

# Harmonies

## Analogous

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



35.9609, 0.2085, 0.2105



35.9609, 0.2642, 0.2178



35.9609, 0.3416, 0.2472

# Triad

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



35.9609, 0.2642, 0.2178



35.9609, 0.4613, 0.4067



35.9609, 0.2119, 0.3572

# Complementary

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



35.9609, 0.2642, 0.2178



76.6230, 0.3487, 0.4326

# 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.



35.9609, 0.2713, 0.4378



35.9609, 0.2642, 0.2178



35.9609, 0.4158, 0.4562

# Square

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



35.9609, 0.2642, 0.2178



35.9609, 0.4648, 0.3490



35.9609, 0.3460, 0.4748



35.9609, 0.1812, 0.2788



# Rectangle

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



35.9609, 0.2642, 0.2178



35.9609, 0.3953, 0.2766



35.9609, 0.3460, 0.4748



35.9609, 0.2289, 0.3862

# Sweetspot

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



35.9623, 0.2642, 0.2178



78.3060, 0.3002, 0.2980



57.8152, 0.2537, 0.2931



16.2994, 0.2987, 0.2944



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.



35.9623, 0.2642, 0.2178



34.5429, 0.2522, 0.1936



42.1195, 0.3024, 0.2292



15.4794, 0.3031, 0.3049



4.4037, 0.1737, 0.0730



0.4183, 0.1878, 0.0808



# Inverse Universe

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



43.2821, 0.3445, 0.2620



44.3444, 0.3530, 0.2494



70.9929, 0.3176, 0.4436



15.9385, 0.3188, 0.3132



11.5869, 0.4247, 0.2113

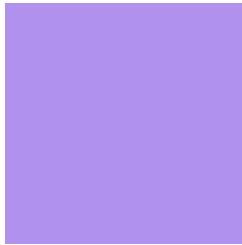


0.9821, 0.4076, 0.2019



# Previews

## White Background



This preview shows how the Yxy color 35.9609, 0.2642, 0.2178 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

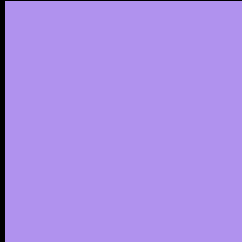
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.9609, 0.2642, 0.2178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

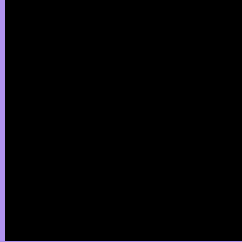
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.9609, 0.2642, 0.2178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.9609, 0.2642, 0.2178.



This preview shows how white text looks on a background with the Yxy color 35.9609, 0.2642, 0.2178.

# 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

35.9609, 0.2642, 0.2178

### Protanopia

36.3030, 0.2275, 0.2142

### Deuteranopia

36.0453, 0.2366, 0.2300



## Tritanopia

36.0127, 0.3060, 0.3119

# Trichromacy



**Original Color**

35.9609, 0.2642, 0.2178

**Protanomaly**

35.8148, 0.2390, 0.2146

**Deuteranomaly**

35.7947, 0.2456, 0.2250

**Tritanomaly**

35.7530, 0.2894, 0.2735

# Monochromacy



**Original Color**

35.9609, 0.2642, 0.2178

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

36.6945, 0.2937, 0.2828

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.9609, 0.2642, 0.2178 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(176, 146, 238)` looks like.

```
.text, #text, p{  
    color:rgb(176, 146, 238)  
}
```

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(176, 146, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 146, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 35.9609, 0.2642, 0.2178 is called "border". The border property can be set on classes, ids or directly on the HTML element.

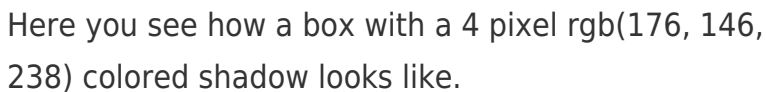
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 146, 238) }
```

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

```
.border{ border-color:rgb(176, 146, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 146, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 146, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 146, 238); box-shadow:4px 4px 4px 4px rgb(176, 146, 238) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.9609, 0.2642, 0.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 146, 238) }
```

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

```
.background{ background-color: rgb(176,  
146, 238) }
```

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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