

# Converting Colors

YUV(90.7330, 69.6446,  
108.9822)

Have a look what the booklet for  
YUV(90.7330, 69.6446, 108.9822)  
contains.

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# Color

**YUV(90.7330, 69.6446,  
108.9822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D700E8
RGB	215, 0, 232
RGB Percent	84%, 0%, 91%
CMY	0.1569, 1.0000, 0.0902
CMYK	0.07, 1.00, 0.00, 0.09
HSL	296°, 100%, 45%
HSV	296°, 100%, 91%
XYZ	42.5898, 20.2733, 78.0123
YIQ	90.7330, 53.6680, 117.7320

# Conversions

## Conversions Part 2

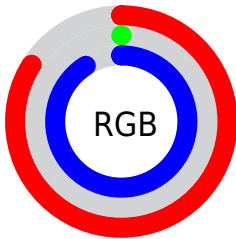
Format	Color
<a href="#">RYB</a>	<a href="#">215, 0, 232</a>
Decimal	<a href="#">14090472</a>
CIELab	<a href="#">52.14, 88.88, -61.47</a>
CIElCh	<a href="#">52, 108.071, 325.332</a>
Yxy	<a href="#">20.2733, 0.3023, 0.1439</a>
Android (android.graphics.Color)	<a href="#">4292280552 (0xFFD700E8)</a>
YUV	<a href="#">90.7330, 69.6446, 108.9822</a>
Hunter-Lab	<a href="#">45.0258, 90.0474, -71.2085</a>

# Details

The YUV color **90.7330, 69.6446, 108.9822** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **141.2670, -69.6446, -108.9822**, and the grayscale version is **90.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **162.2540, 45.7238, 81.3382**, and **66.2950, 53.5916, 77.7943** is the 20% darker color. If you saturate the color by 10%, you get **90.7330, 69.6446, 108.9822**, and if you desaturate by 10%, it is **104.8320, 62.6938, 98.3713**.

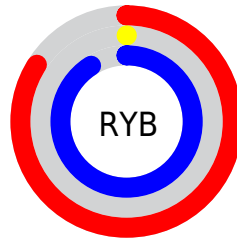
# Distribution



Red (84%)

Green (0%)

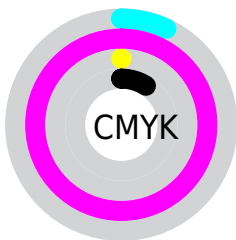
Blue (91%)



Red (84%)

Yellow (0%)

Blue (91%)

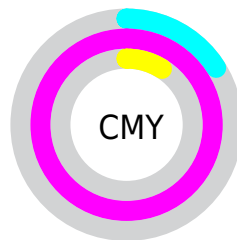


Cyan (7%)

Magenta (100%)

Yellow (0%)

Black (9%)



Cyan (16%)

Magenta (100%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 90.7330, 69.6446, 108.9822 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 YUV color 90.7330, 69.6446, 108.9822 by changing the saturation by 10% instead.





 90.7330, 69.6446,  
108.9822


 90.7330, 69.6446,  
108.9822


255.0000, 0.0000,  
0.0000


 78.4570, 61.3997,  
93.4382


 162.2540, 45.7238,  
81.3382


 66.2950, 53.5916,  
77.7943


 180.4510, 36.7527,  
65.3795

 54.2470, 46.2202,  
62.0504


 198.6480, 27.7815,  
49.4207

 42.4980, 38.7015,  
46.9213

 216.2580, 19.0998,  
33.9767

 31.2760, 31.9089,  
32.2069

 234.4550, 10.1287,  
18.0180

 18.8580, 25.7060,  
15.0335

 252.0650, 1.4470,

 5.3580, 20.5295,

2.5740

-4.6990

■ 3.4370, 10.6306,  
-3.0142

■ 0.0000, 0.0000,  
0.0000

■ 90.7330, 69.6446,  
108.9822

■ 104.8320, 62.6938,  
98.3713

■ 118.6320, 55.8904,  
87.1457

■ 133.3180, 48.6502,  
76.0201

■ 147.4170, 41.6994,  
65.4093

■ 161.5160, 34.7486,  
54.7985

■ 175.3160, 27.9452,  
43.5729

■ 189.4150, 20.9944,  
32.9620

■ 204.1010, 13.7542,  
21.8364

■ 217.9010, 6.9508,  
10.6108

# Harmonies

## Analogous

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



91.8790, 80.4187, -80.5779



90.7330, 69.6446, 108.9822



92.5470, 24.8733, 142.4713

# Triad

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



90.7330, 69.6446, 108.9822



117.7150, -58.0335, 40.5919



116.9480, 41.9306, -102.5634

# Complementary

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



90.7330, 69.6446, 108.9822



141.2670, -69.6446, -108.9822

# 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.



104.9440, 1.0136, -92.0359



90.7330, 69.6446, 108.9822



104.2840, -51.4120, -30.0671

# Square

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



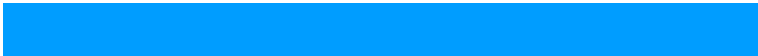
90.7330, 69.6446, 108.9822



105.7510, -52.1352, 108.9664



89.8110, -44.2768, -78.7642



121.2290, 65.9491, -106.3178



# Rectangle

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



90.7330, 69.6446, 108.9822



85.7070, -1.3346, 148.4700



89.8110, -44.2768, -78.7642



112.8270, 28.6793, -98.9493

# Sweetspot

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



90.7330, 69.6446, 108.9822



208.5940, 22.8782, 35.4361



37.6010, 95.8387, -32.9761



99.8020, 13.9016, 21.2216



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7330, 69.6446, 108.9822



99.6340, 76.5954, 119.5930



84.7580, 24.7693, 129.1312



107.6570, 3.6201, 5.5628



69.7410, 53.8647, 83.5421



19.8670, 15.3486, 23.7956



# Inverse Universe

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



71.3060, -26.7729, 140.9286



78.4110, -29.2896, 154.8686



147.2420, -24.7693, -129.1312



106.7020, -1.3321, 7.2773



55.0030, -20.7075, 108.7454



15.7050, -5.7706, 30.9537



# Previews

## White Background



This preview shows how the YUV color 90.7330, 69.6446, 108.9822 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

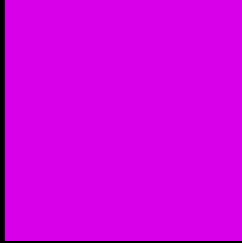
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YUV color 90.7330, 69.6446, 108.9822 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

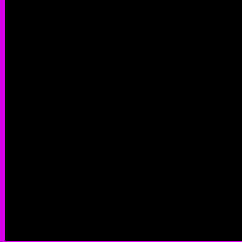
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 90.7330, 69.6446, 108.9822

## Background



This preview shows how black text looks on a background with the YUV color 90.7330, 69.6446, 108.9822.



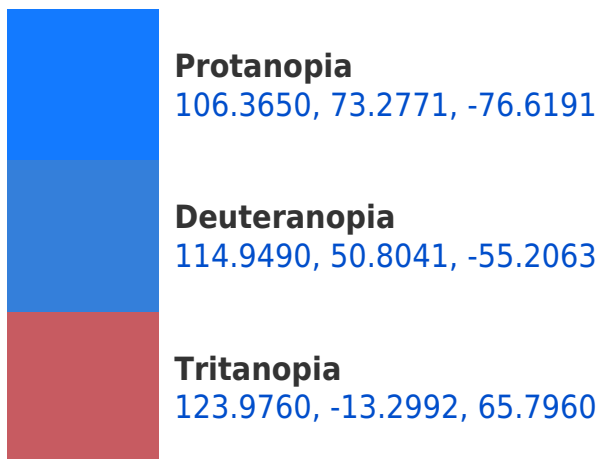
This preview shows how white text looks on a background with the YUV color 90.7330, 69.6446,



# 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



# Trichromacy



## Protanomaly

100.8540, 72.0500, -9.5190

## Deuteranomaly

106.1580, 57.6031, 4.2464

## Tritanomaly

111.9850, 16.7694, 81.5742

# Monochromacy



## Achromatopsia

91.0000, 0.0000, 0.0000

## Achromatomaly

90.8980, 25.1933, 39.5545

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.7330, 69.6446, 108.9822 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(215, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 232)  
}
```

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(215, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 232) }
```

## Border

The CSS property to change the border of an element to YUV 90.7330, 69.6446, 108.9822 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(215, 0, 232) }
```

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

```
.border{ border-color:rgb(215, 0, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
232) }
```



# Background

The CSS property to change the background color of an element to YUV 90.7330, 69.6446, 108.9822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 232) }
```

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

```
.background{ background-color: rgb(215, 0,  
232) }
```

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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