

# Converting Colors

YUV(90.8230, 22.7653,  
118.5502)

Have a look what the booklet for  
YUV(90.8230, 22.7653, 118.5502)  
contains.

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# Color

**YUV(90.8230, 22.7653,  
118.5502)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E20D89
RGB	226, 13, 137
RGB Percent	89%, 5%, 54%
CMY	0.1137, 0.9490, 0.4627
CMYK	0.00, 0.94, 0.39, 0.11
HSL	325°, 89%, 47%
HSV	325°, 94%, 89%
XYZ	36.0233, 18.2627, 25.2933
YIQ	90.8230, 87.1440, 83.7200

# Conversions

## Conversions Part 2

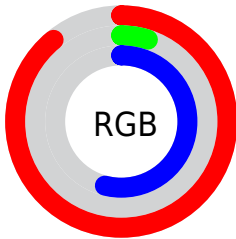
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 13, 137
Decimal	14814601
CIE <sub>Lab</sub>	49.81, 78.16, -9.47
CIE <sub>LCh</sub>	50, 78.736, 353.089
Yxy	18.2627, 0.4527, 0.2295
Android (android.graphics.Color)	4293004681 (0xFFE20D89)
YUV	90.8230, 22.7653, 118.5502
Hunter-Lab	42.7349, 75.6800, -5.1773

# Details

The YUV color **90.8230, 22.7653, 118.5502** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **148.1770, -22.7653, -118.5502**, and the grayscale version is **91.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **154.8440, 17.3319, 87.8368**, and **59.2530, 13.6793, 92.7401** is the 20% darker color. If you saturate the color by 10%, you get **82.6220, 24.3434, 125.7425**, and if you desaturate by 10%, it is **105.3500, 20.0405, 105.8101**.

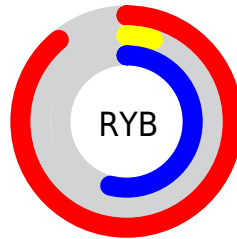
# Distribution



Red (89%)

Green (5%)

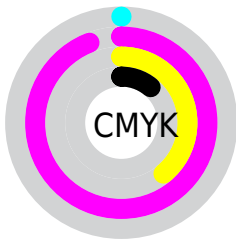
Blue (54%)



Red (89%)

Yellow (5%)

Blue (54%)

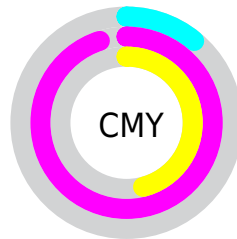


Cyan (0%)

Magenta (94%)

Yellow (39%)

Black (11%)



Cyan (11%)

Magenta (95%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 90.8230, 22.7653, 118.5502 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 90.8230, 22.7653, 118.5502 by changing the saturation by 10% instead.





 90.8230, 22.7653,  
118.5502


 90.8230, 22.7653,  
118.5502

255.0000, 0.0000,  
0.0000


 71.0730, 20.1770,  
108.6840


 154.8440, 17.3319,  
87.8368


 59.2530, 13.6793,  
92.7401


 176.2330, 20.5911,  
69.0787


 47.3620, 8.2025,  
75.9815


 197.1490, 24.5765,  
50.7353

 36.1830, 2.8678,  
60.3525

 215.6710, 19.3892,  
34.4915

 25.5310, -1.7408,  
45.1383

 233.2810, 10.7075,  
19.0476

 13.9820, -5.9071,  
28.0798

 250.8910, 2.0257,

 0.0000, 0.0000,

3.6036

0.0000

■ 90.8230, 22.7653,  
118.5502

■ 90.8230, 22.7653,  
118.5502

■ 82.6220, 24.3434,  
125.7425

■ 105.3500, 20.0405,  
105.8101

■ 119.4040, 18.0418,  
93.4847

■ 133.9310, 15.3170,  
80.7445

■ 147.9850, 13.3184,  
68.4192

■ 162.5120, 10.5936,  
55.6790

■ 177.1530, 8.3056,  
42.8388

■ 191.0930, 5.8702,  
30.6134

■ 205.7340, 3.5821,  
17.7733

■ 219.6740, 1.1467,  
5.5479

# Harmonies

## Analogous

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



117.4220, 40.7110, 55.7579



90.8230, 22.7653, 118.5502



94.4740, -11.5727, 118.8563

# Triad

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



90.8230, 22.7653, 118.5502



104.4160, -51.4771, -9.1348



109.7050, 57.3334, -96.2113

# Complementary

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



90.8230, 22.7653, 118.5502



148.1770, -22.7653, -118.5502

# 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.



105.6690, 31.7152, -92.6717



90.8230, 22.7653, 118.5502



85.5030, -30.3210, -74.9861

# Square

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



90.8230, 22.7653, 118.5502



111.5130, -54.9759, 39.8921



96.5150, 1.7181, -84.6437



106.3260, 72.3103, -93.2479



# Rectangle

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



90.8230, 22.7653, 118.5502



105.1160, -39.0042, 97.2453



96.5150, 1.7181, -84.6437



108.9410, 49.3291, -95.5413

# Sweetspot

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



90.8230, 22.7653, 118.5502



209.9030, 7.4428, 39.5501



63.8930, 79.9188, 33.4198



100.0060, 4.4340, 24.5507



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.



90.8230, 22.7653, 118.5502



93.1170, 27.0573, 141.9714



78.7390, -23.5353, 129.1479



105.0870, 1.4361, 6.0627



64.2520, 18.6098, 98.0030



17.5440, 5.1548, 26.7099



# Inverse Universe

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



90.8230, 22.7653, 118.5502



93.1170, 27.0573, 141.9714



160.2610, 23.5353, -129.1479



105.0870, 1.4361, 6.0627



64.2520, 18.6098, 98.0030



17.5440, 5.1548, 26.7099



# Previews

## White Background



This preview shows how the YUV color 90.8230, 22.7653, 118.5502 looks on a white 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



# Black Background



This preview shows how the YUV color 90.8230, 22.7653, 118.5502 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 90.8230, 22.7653, 118.5502

## Background



This preview shows how black text looks on a background with the YUV color 90.8230, 22.7653, 118.5502.



This preview shows how white text looks on a background with the YUV color 90.8230, 22.7653,



# 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

90.8230, 22.7653, 118.5502

### Protanopia

117.6340, 38.6344, -25.1120

### Deuteranopia

120.8420, 3.0359, 6.2776



## Tritanopia

104.8620, -23.5960, 101.8530

# Trichromacy



## Original Color

90.8230, 22.7653, 118.5502



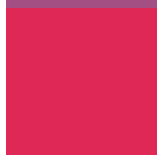
## Protanomaly

107.8840, 33.0882, 27.2887



## Deuteranomaly

110.3430, 10.1839, 47.0572



## Tritanomaly

99.9610, -6.8828, 107.9052

# Monochromacy



## Original Color

90.8230, 22.7653, 118.5502



## Achromatopsia

91.0000, 0.0000, 0.0000



## Achromatomaly

91.1530, 8.3056, 42.8388

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 90.8230, 22.7653, 118.5502 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(226, 13, 137)` looks like.

```
.text, #text, p{  
    color:rgb(226, 13, 137)  
}
```

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(226, 13, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 13, 137) }
```

## Border

The CSS property to change the border of an element to YUV 90.8230, 22.7653, 118.5502 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(226, 13, 137) }
```



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

```
.border{ border-color:rgb(226, 13, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 13, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 13, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 13, 137);  
box-shadow:4px 4px 4px 4px rgb(226, 13,  
137) }
```

# Background

The CSS property to change the background color of an element to YUV 90.8230, 22.7653, 118.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 13, 137) }
```

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

```
.background{ background-color: rgb(226, 13,  
137) }
```

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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