

# Converting Colors

YUV(120.2500, 21.5688,  
82.2188)

Have a look what the booklet for  
YUV(120.2500, 21.5688, 82.2188)  
contains.

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# Color

**YUV(120.2500, 21.5688,  
82.2188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D640A4
RGB	214, 64, 164
RGB Percent	84%, 25%, 64%
CMY	0.1608, 0.7490, 0.3569
CMYK	0.00, 0.70, 0.23, 0.16
HSL	320°, 65%, 55%
HSV	320°, 70%, 84%
XYZ	36.2658, 20.6433, 37.1951
YIQ	120.2500, 57.3000, 62.9000

# Conversions

## Conversions Part 2

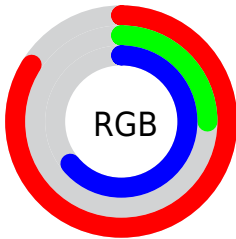
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 64, 164
Decimal	14041252
CIE <sub>Lab</sub>	52.56, 67.15, -21.61
CIE <sub>LCh</sub>	53, 70.539, 342.162
Yxy	20.6433, 0.3854, 0.2194
Android (android.graphics.Color)	4292231332 (0xFFD640A4)
YUV	120.2500, 21.5688, 82.2188
Hunter-Lab	45.4349, 62.9664, -16.7331

# Details

The YUV color **120.2500, 21.5688, 82.2188** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **157.7500, -21.5688, -82.2188**, and the grayscale version is **120.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **173.4120, 22.4749, 71.5527**, and **59.1130, 26.0733, 84.0929** is the 20% darker color. If you saturate the color by 10%, you get **107.1250, 24.5884, 93.7294**, and if you desaturate by 10%, it is **133.3750, 18.5491, 70.7081**.

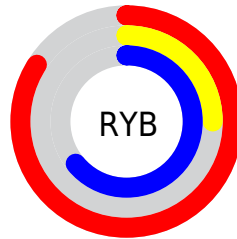
# Distribution



Red (84%)

Green (25%)

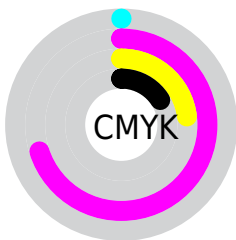
Blue (64%)



Red (84%)

Yellow (25%)

Blue (64%)

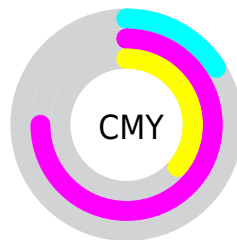


Cyan (0%)

Magenta (70%)

Yellow (23%)

Black (16%)



Cyan (16%)

Magenta (75%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 120.2500, 21.5688, 82.2188 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 120.2500, 21.5688, 82.2188 by changing the saturation by 10% instead.





 120.2500, 21.5688,  
82.2188


 120.2500, 21.5688,  
82.2188


255.0000, 0.0000,  
0.0000


 87.1840, 25.0523,  
84.9076


 173.4120, 22.4749,  
71.5527


 59.1130, 26.0733,  
84.0929


 193.7410, 26.7497,  
53.7241


 47.5920, 19.4281,  
68.7638

 211.5620, 21.4149,  
38.0951

 36.5980, 13.5092,  
53.8496

 228.5850, 13.0226,  
23.1660

 26.0170, 7.8796,  
39.4501

 246.1950, 4.3409,  
7.7220

 15.4360, 2.2501,  
25.0506

 0.0000, 0.0000,

0.0000

■ 120.2500, 21.5688,  
82.2188

■ 120.2500, 21.5688,  
82.2188

■ 107.1250, 24.5884,  
93.7294

■ 133.3750, 18.5491,  
70.7081

■ 93.4130, 27.8974,  
105.7548

■ 147.0870, 15.2401,  
58.6827

■ 80.2880, 30.9170,  
117.2654

■ 160.2120, 12.2205,  
47.1721

■ 174.0380, 9.3483,  
35.0467

■ 187.1630, 6.3286,  
23.5360

■ 200.2880, 3.3090,  
12.0254

■ 214.0000, 0.0000,  
0.0000

■ 227.1250, -3.0196,  
-11.5106

■ 239.6630, -5.7499,  
-22.5065

# Harmonies

## Analogous

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



128.5060, 43.1345, 24.9892



120.2500, 21.5688, 82.2188



112.6230, -4.2511, 103.8166

# Triad

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



120.2500, 21.5688, 82.2188



114.8810, -56.6363, 12.3824



111.5340, 46.5717, -97.8153

# Complementary

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



120.2500, 21.5688, 82.2188



157.7500, -21.5688, -82.2188

# 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.



106.2100, 21.0955, -93.1462



120.2500, 21.5688, 82.2188



102.6230, -42.2121, -40.8884

# Square

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



120.2500, 21.5688, 82.2188



118.1020, -58.2243, 55.1615



97.8540, -5.8440, -85.8180



110.8280, 64.1748, -97.1962



# Rectangle

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



120.2500, 21.5688, 82.2188



115.1880, -24.7427, 96.3051



97.8540, -5.8440, -85.8180



110.7700, 38.5674, -97.1453

# Sweetspot

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



120.2500, 21.5688, 82.2188



221.2500, 7.7648, 29.5988



96.0500, 58.1493, 15.7422



107.9620, 4.4557, 17.5733



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.



120.2500, 21.5688, 82.2188



121.2880, 30.9170, 117.2654



111.7000, -11.1911, 89.7171



100.2010, 1.8729, 5.9627



64.1250, 24.5884, 93.7294



16.1630, 6.3286, 23.5360



# Inverse Universe

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



120.2500, 21.5688, 82.2188



121.2880, 30.9170, 117.2654



166.3000, 11.1911, -89.7171



100.2010, 1.8729, 5.9627



64.1250, 24.5884, 93.7294



16.1630, 6.3286, 23.5360



# Previews

## White Background



This preview shows how the YUV color 120.2500, 21.5688, 82.2188 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 120.2500, 21.5688, 82.2188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

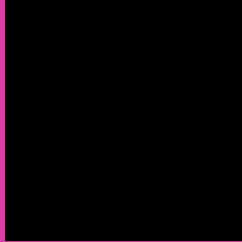
Any Text WCAG AA ✓ Pass

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 120.2500, 21.5688, 82.2188 Background



This preview shows how black text looks on a background with the YUV color 120.2500, 21.5688, 82.2188.



This preview shows how white text looks on a background with the YUV color 120.2500, 21.5688,



# 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

120.2500, 21.5688, 82.2188

### Protanopia

123.0510, 42.8659, -28.9857

### Deuteranopia

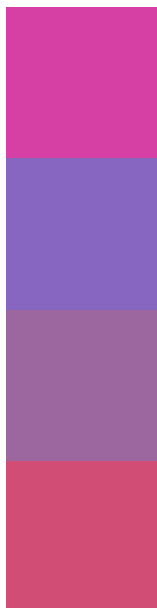
126.7620, 14.4143, -3.2993



## Tritanopia

122.4610, -15.5103, 75.0177

# Trichromacy



## Original Color

120.2500, 21.5688, 82.2188

## Protanomaly

122.2410, 34.8842, 11.1896

## Deuteranomaly

124.6440, 16.9375, 27.4992

## Tritanomaly

121.4410, -1.6964, 77.6662

# Monochromacy



## Original Color

120.2500, 21.5688, 82.2188

## Achromatopsia

120.0000, 0.0000, 0.0000

## Achromatomaly

120.2500, 7.7648, 29.5987

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 120.2500, 21.5688, 82.2188 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(214, 64, 164)` looks like.

```
.text, #text, p{  
    color:rgb(214, 64, 164)  
}
```

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(214, 64, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 64, 164) }
```

## Border

The CSS property to change the border of an element to YUV 120.2500, 21.5688, 82.2188 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(214, 64, 164) }
```



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

```
.border{ border-color:rgb(214, 64, 164) }
```

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

Here you see how a box with a 4 pixel rgb(214, 64, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 64, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 64, 164);  
box-shadow:4px 4px 4px 4px rgb(214, 64,  
164) }
```

# Background

The CSS property to change the background color of an element to YUV 120.2500, 21.5688, 82.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 64, 164) }
```

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

```
.background{ background-color: rgb(214, 64,  
164) }
```

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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