

# Converting Colors

YUV(78.7170, 42.5375,  
-63.7728)

Have a look what the booklet for  
YUV(78.7170, 42.5375, -63.7728)  
contains.

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# Color

**YUV(78.7170, 42.5375,  
-63.7728)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0663A5
RGB	6, 99, 165
RGB Percent	2%, 39%, 65%
CMY	0.9765, 0.6118, 0.3529
CMYK	0.96, 0.40, 0.00, 0.35
HSL	205°, 93%, 34%
HSV	205°, 96%, 65%
XYZ	11.3285, 11.6790, 37.2545
YIQ	78.7170, -76.6140, 0.8100

# Conversions

## Conversions Part 2

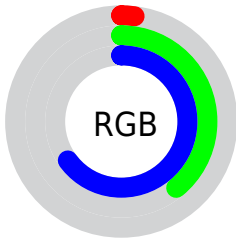
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	6, 65, 165
Decimal	418725
CIE <sub>Lab</sub>	40.70, 1.66, -42.12
CIE <sub>LCh</sub>	41, 42.156, 272.259
Yxy	11.6790, 0.1880, 0.1938
Android (android.graphics.Color)	4278608805 (0xFF0663A5)
YUV	78.7170, 42.5375, -63.7728
Hunter-Lab	34.1746, -0.6348, -40.7112

# Details

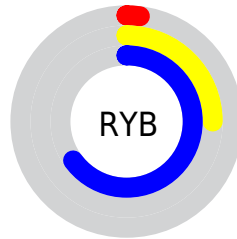
The YUV color **78.7170, 42.5375, -63.7728** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **92.2830, -42.5375, 63.7728**, and the grayscale version is **78.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.1540, 39.8571, -43.9851**, and **43.9930, 34.0205, -38.5819** is the 20% darker color. If you saturate the color by 10%, you get **75.7490, 44.0007, -66.4319**, and if you desaturate by 10%, it is **87.6100, 38.1533, -57.5400**.

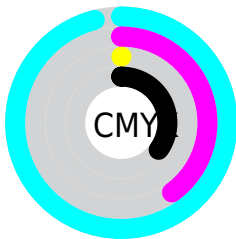
# Distribution



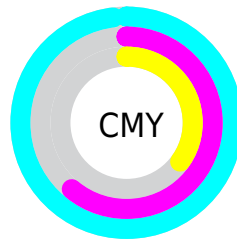
- Red (2%)
- Green (39%)
- Blue (65%)



- Red (2%)
- Yellow (25%)
- Blue (65%)



- Cyan (96%)
- Magenta (40%)
- Yellow (0%)
- Black (35%)



- Cyan (98%)
- Magenta (61%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 78.7170, 42.5375, -63.7728 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 78.7170, 42.5375, -63.7728 by changing the saturation by 10% instead.



■ 78.7170, 42.5375,  
-63.7728

■ 78.7170, 42.5375,  
-63.7728

■ 255.0000, 0.0000,  
0.0000

■ 59.7570, 38.5738,  
-52.4069

■ 139.1540, 39.8571,  
-43.9851

■ 43.9930, 34.0205,  
-38.5819

■ 167.2790, 40.2885,  
-42.3407

■ 29.4030, 28.8883,  
-25.7864

■ 192.4830, 30.8209,  
-39.0116

■ 11.9920, 25.6399,  
-10.5170

■ 217.8890, 18.2957,  
-34.9827

■ 6.4350, 17.0405,  
-5.6435

■ 240.6480, 7.0755,  
-29.5093

■ 2.7530, 8.0098,  
-2.4144

■ 249.6180, 2.6533,

■ 0.0000, 0.0000,

-11.0660

0.0000

■ 78.7170, 42.5375,  
-63.7728

■ 78.7170, 42.5375,  
-63.7728

■ 75.7490, 44.0007,  
-66.4319

■ 87.6100, 38.1533,  
-57.5400

■ 96.8020, 33.6216,  
-50.6924

■ 105.9940, 29.0900,  
-43.8447

■ 114.3000, 24.9951,  
-37.0971

■ 123.4920, 20.4634,  
-30.2495

■ 132.3850, 16.0792,  
-24.0166

■ 141.2780, 11.6949,  
-17.7838

■ 150.4700, 7.1633,  
-10.9362

■ 159.6620, 2.6316,  
-4.0886

# Harmonies

## Analogous

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



81.2940, 37.3231, -71.2948



78.7170, 42.5375, -63.7728



98.0520, 28.0754, 1.7084

# Triad

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



78.7170, 42.5375, -63.7728



94.1010, -16.3188, 54.2854



77.6180, -7.6997, -50.5310

# Complementary

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



78.7170, 42.5375, -63.7728



92.2830, -42.5375, 63.7728

# 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.



88.4200, -27.3221, -10.0153



78.7170, 42.5375, -63.7728



93.5710, -29.3685, 39.8412

# Square

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



78.7170, 42.5375, -63.7728



95.6400, -0.3155, 54.6897



91.5330, -35.2658, 17.9496



77.5030, 10.1050, -67.9701



# Rectangle

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



78.7170, 42.5375, -63.7728



99.0290, 19.7057, 26.2846



91.5330, -35.2658, 17.9496



83.6650, -15.6108, -33.0322

# Sweetspot

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



78.7170, 42.5375, -63.7728



180.2000, 16.6634, -24.7314



106.6290, -18.0581, -88.2516



87.1320, 9.7949, -15.0248



235.0000, 0.0000, 0.0000



107.0000, 0.0000, 0.0000



# Same Dimension

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



78.7170, 42.5375, -63.7728



97.7710, 57.3009, -85.7452



33.5180, 64.8206, -24.1333



76.9610, 2.4842, -3.4738



66.4250, 38.7375, -58.2547



7.9220, 4.9685, -6.9476



# Inverse Universe

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



64.1430, 17.1845, 88.4516



78.2360, 23.0547, 119.0650



137.4820, -64.8206, 24.1333



76.2610, 0.8573, 5.0331



53.0450, 15.7538, 80.6445



6.5220, 1.7147, 10.0662



# Previews

## White Background



This preview shows how the YUV color 78.7170, 42.5375, -63.7728 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 78.7170, 42.5375, -63.7728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

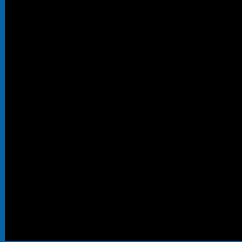
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 78.7170, 42.5375, -63.7728

## Background



This preview shows how black text looks on a background with the YUV color 78.7170, 42.5375, -63.7728.



This preview shows how white text looks on a background with the YUV color 78.7170, 42.5375,



# 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

78.7170, 42.5375, -63.7728

### Protanopia

93.7500, 32.6613, -22.5828

### Deuteranopia

88.1220, 38.3939, -41.3260



## Tritanopia

75.2180, 19.1195, -65.9662

# Trichromacy



## Original Color

78.7170, 42.5375, -63.7728

## Protanomaly

88.2750, 36.3464, -37.9522

## Deuteranomaly

84.8220, 40.0208, -49.8329

## Tritanomaly

76.2210, 27.9920, -65.0918

# Monochromacy



## Original Color

78.7170, 42.5375, -63.7728

## Achromatopsia

79.0000, 0.0000, 0.0000

## Achromatomaly

78.5700, 15.4950, -23.3019

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 78.7170, 42.5375, -63.7728 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(6, 99, 165)` looks like.

```
.text, #text, p{  
    color:rgb(6, 99, 165)  
}
```

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(6, 99, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 99, 165) }
```

## Border

The CSS property to change the border of an element to YUV 78.7170, 42.5375, -63.7728 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(6, 99, 165) }
```



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

```
.border{ border-color:rgb(6, 99, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 99, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 99, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 99, 165);  
box-shadow:4px 4px 4px 4px rgb(6, 99, 165)  
}
```

# Background

The CSS property to change the background color of an element to YUV 78.7170, 42.5375, -63.7728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 99, 165) }
```

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

```
.background{ background-color: rgb(6, 99,  
165) }
```

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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