

# Converting Colors

YUV(36.6070, 59.8467,  
-15.4413)

Have a look what the booklet for  
YUV(36.6070, 59.8467, -15.4413)  
contains.

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# Color

**YUV(36.6070, 59.8467,  
-15.4413)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	13169E
RGB	19, 22, 158
RGB Percent	7%, 9%, 62%
CMY	0.9255, 0.9137, 0.3804
CMYK	0.88, 0.86, 0.00, 0.38
HSL	239°, 79%, 35%
HSV	239°, 88%, 62%
XYZ	6.7270, 3.1809, 32.6072
YIQ	36.6070, -45.4440, 41.6600

# Conversions

## Conversions Part 2

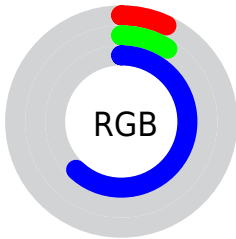
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	19, 22, 158
Decimal	1250974
CIE Lab	20.75, 48.40, -70.44
CIE LCh	21, 85.464, 304.494
Yxy	3.1809, 0.1582, 0.0748
Android (android.graphics.Color)	4279441054 (0xFF13169E)
YUV	36.6070, 59.8467, -15.4413
Hunter-Lab	17.8350, 36.1153, -95.9132

# Details

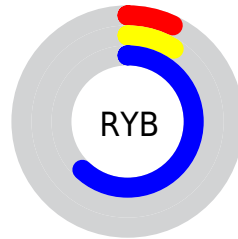
The YUV color **36.6070, 59.8467, -15.4413** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **140.3930, -59.8467, 15.4413**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.1900, 59.0663, 1.5874**, and **11.9700, 45.8638, -10.4977** is the 20% darker color. If you saturate the color by 10%, you get **23.0180, 66.5461, -17.5558**, and if you desaturate by 10%, it is **50.1960, 53.1474, -13.3269**.

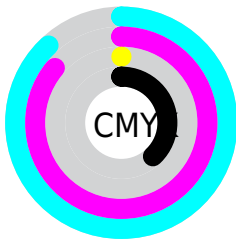
# Distribution



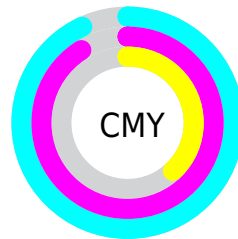
- Red (7%)
- Green (9%)
- Blue (62%)



- Red (7%)
- Yellow (9%)
- Blue (62%)



- Cyan (88%)
- Magenta (86%)
- Yellow (0%)
- Black (38%)



- Cyan (93%)
- Magenta (91%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 36.6070, 59.8467, -15.4413 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 36.6070, 59.8467, -15.4413 by changing the saturation by 10% instead.



■ 36.6070, 59.8467,  
-15.4413

■ 36.6070, 59.8467,  
-15.4413

■ 255.0000, 0.0000,  
0.0000

■ 14.9340, 57.2205,  
-13.0971

■ 94.1900, 59.0663,  
1.5874

■ 11.9700, 45.8638,  
-10.4977

■ 121.1410, 60.0765,  
4.2613

■ 11.4680, 33.7863,  
-10.0574

■ 146.1540, 53.6611,  
8.6349

■ 9.3190, 23.0137,  
-8.1728

■ 170.9730, 41.4253,  
13.1787

■ 4.9360, 13.8356,  
-4.3289

■ 195.7920, 29.1895,  
17.7224

■ 0.7980, 3.0576,  
-0.6998

■ 220.6110, 16.9538,

■ 0.0000, 0.0000,

22.2662

0.0000

240.3250, 7.2348,  
12.8700

36.6070, 59.8467,  
-15.4413

36.6070, 59.8467,  
-15.4413

23.0180, 66.5461,  
-17.5558

50.1960, 53.1474,  
-13.3269

19.7730, 68.1459,  
-17.3409

64.3720, 46.1586,  
-11.7272

77.6620, 39.6066,  
-10.2276

91.8380, 32.6179,  
-8.6279

105.4270, 25.9185,  
-6.5135

■ 119.6030, 18.9297,  
-4.9138

■ 133.1920, 12.2303,  
-2.7994

■ 147.0690, 5.3890,  
-1.8145

■ 160.6580, -1.3104,  
0.2999

# Harmonies

## Analogous

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



55.9680, 62.1338, -49.0839



36.6070, 59.8467, -15.4413



49.4590, 27.8747, 66.2495

# Triad

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



36.6070, 59.8467, -15.4413



39.6020, -19.5238, 55.6000



47.8160, 5.5137, -41.9346

# Complementary

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



36.6070, 59.8467, -15.4413



140.3930, -59.8467, 15.4413

# 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.



39.3290, -19.3892, -34.4915



36.6070, 59.8467, -15.4413



46.6700, -23.0083, 6.4284

# Square

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



36.6070, 59.8467, -15.4413



40.6640, -20.0474, 83.6097



36.9810, -18.2316, -32.4323



55.5850, 32.7426, -48.7480



# Rectangle

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



36.6070, 59.8467, -15.4413



50.7650, 7.0179, 82.6441



36.9810, -18.2316, -32.4323



44.6070, -4.2433, -39.1203

# Sweetspot

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



36.6070, 59.8467, -15.4413



159.7430, 23.2977, -5.9136



115.8690, 18.3056, -84.9541



76.3490, 14.1249, -3.8141



232.0000, 0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



36.6070, 59.8467, -15.4413



25.9460, 89.2596, -22.7546



54.2810, 51.1335, 26.0636



71.9120, 3.4944, -0.7998



18.0630, 61.5939, -15.8413



1.7100, 6.5520, -1.4997



# Inverse Universe

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



60.9030, -19.1792, 85.1541



62.3490, -28.7661, 126.8589



122.7190, -51.1335, -26.0636



73.3920, -1.1793, 4.9182



43.0990, -19.7688, 87.6132

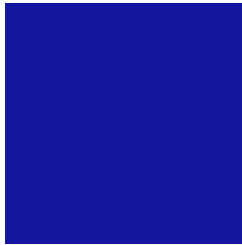


4.4850, -2.2111, 9.2217



# Previews

## White Background



This preview shows how the YUV color 36.6070, 59.8467, -15.4413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

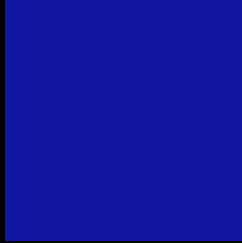
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 36.6070, 59.8467, -15.4413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

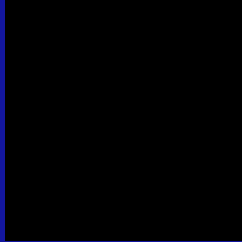
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 36.6070, 59.8467, -15.4413

## Background



This preview shows how black text looks on a background with the YUV color 36.6070, 59.8467, -15.4413.



This preview shows how white text looks on a background with the YUV color 36.6070, 59.8467, -15.4413.



# 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

36.6070, 59.8467, -15.4413

### Protanopia

40.5050, 30.8100, -35.5229

### Deuteranopia

41.1430, 23.1005, -36.0824



## Tritanopia

40.1850, 9.2758, -35.2422

# Trichromacy



## Original Color

36.6070, 59.8467, -15.4413

## Protanomaly

39.0080, 41.4081, -28.0710

## Deuteranomaly

39.6290, 36.1719, -28.6156

## Tritanomaly

38.7510, 27.7308, -27.8456

# Monochromacy



## Original Color

36.6070, 59.8467, -15.4413

## Achromatopsia

37.0000, 0.0000, 0.0000

## Achromatomaly

36.9880, 21.6979, -6.1285

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.6070, 59.8467, -15.4413 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(19, 22, 158)` looks like.

```
.text, #text, p{  
    color:rgb(19, 22, 158)  
}
```

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(19, 22, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 22, 158) }
```

## Border

The CSS property to change the border of an element to YUV 36.6070, 59.8467, -15.4413 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(19, 22, 158) }
```



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

```
.border{ border-color:rgb(19, 22, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 22, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 22, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 22, 158);  
box-shadow:4px 4px 4px 4px rgb(19, 22,  
158) }
```

# Background

The CSS property to change the background color of an element to YUV 36.6070, 59.8467, -15.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 22, 158) }
```

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

```
.background{ background-color: rgb(19, 22,  
158) }
```

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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