

# Converting Colors

YUV(111.8370, 30.6464,  
-29.6750)

Have a look what the booklet for  
YUV(111.8370, 30.6464, -29.6750)  
contains.

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# Color

**YUV(111.8370, 30.6464,  
-29.6750)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E75AE
RGB	78, 117, 174
RGB Percent	31%, 46%, 68%
CMY	0.6941, 0.5412, 0.3176
CMYK	0.55, 0.33, 0.00, 0.32
HSL	216°, 38%, 49%
HSV	216°, 55%, 68%
XYZ	17.1432, 17.3983, 42.4991
YIQ	111.8370, -41.5410, 9.4590

# Conversions

## Conversions Part 2

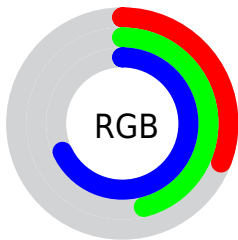
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	78, 106, 174
Decimal	5141934
CIE Lab	48.76, 3.37, -34.51
CIE LCh	49, 34.675, 275.581
Yxy	17.3983, 0.2225, 0.2258
Android (android.graphics.Color)	4283332014 (0xFF4E75AE)
YUV	111.8370, 30.6464, -29.6750
Hunter-Lab	41.7112, 0.3681, -31.2120

# Details

The YUV color **111.8370, 30.6464, -29.6750** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **140.1630, -30.6464, 29.6750**, and the grayscale version is **112.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **165.1900, 31.9513, -28.2306**, and **57.8850, 31.1157, -40.2411** is the 20% darker color. If you saturate the color by 10%, you get **100.8840, 36.0462, -34.9783**, and if you desaturate by 10%, it is **122.7900, 25.2465, -24.3718**.

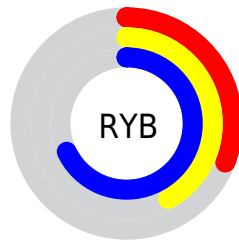
# Distribution



Red (31%)

Green (46%)

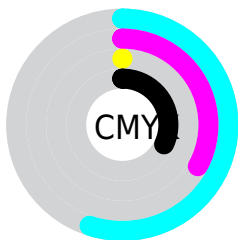
Blue (68%)



Red (31%)

Yellow (42%)

Blue (68%)

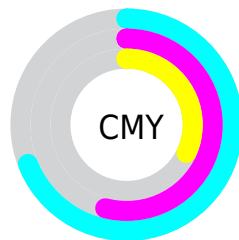


Cyan (55%)

Magenta (33%)

Yellow (0%)

Black (32%)



Cyan (69%)

Magenta (54%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 111.8370, 30.6464, -29.6750 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 111.8370, 30.6464, -29.6750 by changing the saturation by 10% instead.



■ 111.8370, 30.6464,  
-29.6750

■ 111.8370, 30.6464,  
-29.6750

■ 255.0000, 0.0000,  
0.0000

■ 86.0000, 30.0730,  
-32.4490

■ 165.1900, 31.9513,  
-28.2306

■ 57.8850, 31.1157,  
-40.2411

■ 192.2610, 30.9303,  
-27.4159

■ 38.5330, 28.3312,  
-33.7934

■ 217.3680, 18.5526,  
-24.0017

■ 24.0570, 23.6359,  
-21.0980

■ 242.1760, 6.3222,  
-21.2024

■ 7.9340, 20.2455,  
-6.9581

■ 252.9070, 1.0318,  
-4.3034

■ 3.6650, 11.5042,  
-3.2142

■ 0.0000, 0.0000,

0.0000

■ 111.8370, 30.6464,  
-29.6750

■ 111.8370, 30.6464,  
-29.6750

■ 100.8840, 36.0462,  
-34.9783

■ 122.7900, 25.2465,  
-24.3718

■ 89.0450, 41.8828,  
-40.3815

■ 134.6290, 19.4099,  
-18.9686

■ 78.0920, 47.2826,  
-45.6847

■ 145.5820, 14.0101,  
-13.6654

■ 66.8400, 52.8299,  
-51.6027

■ 156.8340, 8.4628,  
-7.7474

■ 61.5130, 55.4561,  
-53.9469

■ 168.3740, 2.7736,  
-2.9590

■ 179.3270, -2.6262,  
2.3442

■ 190.5790, -8.1734,  
8.2622

■ 202.1190,  
-13.8627, 13.0506

■ 213.3710,  
-19.4099, 18.9686

# Harmonies

## Analogous

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



92.6410, 37.6450, -81.2462



111.8370, 30.6464, -29.6750



118.5920, 22.3861, 6.4968

# Triad

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



111.8370, 30.6464, -29.6750



116.3450, -16.4391, 46.1784



103.7380, -6.2798, -39.2352

# Complementary

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



111.8370, 30.6464, -29.6750



140.1630, -30.6464, 29.6750

# 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.



109.7280, -21.0649, -10.2855



111.8370, 30.6464, -29.6750



115.1510, -25.7104, 33.1936

# Square

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



111.8370, 30.6464, -29.6750



117.7870, -3.3460, 46.6678



113.0470, -28.1242, 13.9908



90.6910, 14.9423, -79.5360



# Rectangle

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



111.8370, 30.6464, -29.6750



119.3510, 14.6170, 25.1252



113.0470, -28.1242, 13.9908



106.3110, -11.9853, -29.2137

# Sweetspot

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



111.8370, 30.6464, -29.6750



201.8380, 12.4049, -12.1359



140.7360, -3.3208, -55.0195



99.9050, 7.4418, -6.9327



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000



# Same Dimension

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



111.8370, 30.6464, -29.6750



129.9070, 47.8668, -46.3994



91.3360, 40.7534, -4.6797



81.3740, 2.7736, -2.9590



52.9070, 47.8668, -46.3994



7.9050, 7.4418, -6.9327



# Inverse Universe

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



111.1500, 2.8841, 55.1195



128.8040, 4.5336, 86.1179



160.6640, -40.7534, 4.6797



81.1470, 0.4205, 5.1331



51.8040, 4.5336, 86.1179

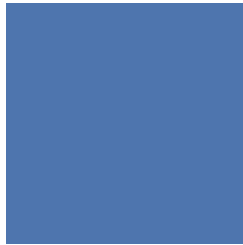


7.9030, 0.5408, 13.2401



# Previews

## White Background



This preview shows how the YUV color 111.8370, 30.6464, -29.6750 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 111.8370, 30.6464, -29.6750 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 111.8370, 30.6464, -29.6750

## Background



This preview shows how black text looks on a background with the YUV color 111.8370, 30.6464, -29.6750.



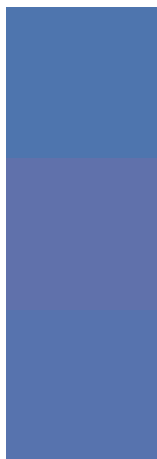
This preview shows how white text looks on a background with the YUV color 111.8370, 30.6464, -29.6750.

-29.6750.

# 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

111.8370, 30.6464, -29.6750

### Protanopia

114.5290, 27.8402, -16.2499

### Deuteranopia

113.3540, 29.8985, -23.1125



## Tritanopia

107.6020, 13.5072, -39.1160

# Trichromacy



## Original Color

111.8370, 30.6464, -29.6750

## Protanomaly

113.1370, 29.0195, -21.1681

## Deuteranomaly

113.0440, 30.0513, -25.4716

## Tritanomaly

108.9320, 19.7535, -35.8974

# Monochromacy



## Original Color

111.8370, 30.6464, -29.6750

## Achromatopsia

112.0000, 0.0000, 0.0000

## Achromatomaly

112.2080, 11.2365, -10.7064

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 111.8370, 30.6464, -29.6750 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(78, 117, 174)` looks like.

```
.text, #text, p{  
    color:rgb(78, 117, 174)  
}
```

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(78, 117, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 117, 174) }
```

## Border

The CSS property to change the border of an element to YUV 111.8370, 30.6464, -29.6750 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(78, 117, 174) }
```



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

```
.border{ border-color:rgb(78, 117, 174) }
```

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

Here you see how a box with a 4 pixel rgb(78, 117, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 117, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 117, 174);  
box-shadow:4px 4px 4px 4px rgb(78, 117,  
174) }
```

# Background

The CSS property to change the background color of an element to YUV 111.8370, 30.6464, -29.6750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 117, 174) }
```

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

```
.background{ background-color: rgb(78, 117,  
174) }
```

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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