

# Converting Colors

YUV(46.6730, 36.1502,  
-21.6382)

Have a look what the booklet for  
YUV(46.6730, 36.1502, -21.6382)  
contains.

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# Color

**YUV(46.6730, 36.1502,  
-21.6382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	162D78
RGB	22, 45, 120
RGB Percent	9%, 18%, 47%
CMY	0.9137, 0.8235, 0.5294
CMYK	0.82, 0.62, 0.00, 0.53
HSL	226°, 69%, 28%
HSV	226°, 82%, 47%
XYZ	4.6594, 3.4034, 18.1806
YIQ	46.6730, -37.7830, 18.4490

# Conversions

## Conversions Part 2

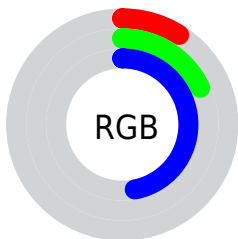
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 41, 120
Decimal	1453432
CIE <sub>Lab</sub>	21.59, 20.96, -45.32
CIE <sub>LCh</sub>	22, 49.930, 294.819
Y <sub>xy</sub>	3.4034, 0.1775, 0.1297
Android (android.graphics.Color)	4279643512 (0xFF162D78)
YUV	46.6730, 36.1502, -21.6382
Hunter-Lab	18.4483, 12.7985, -45.5158

# Details

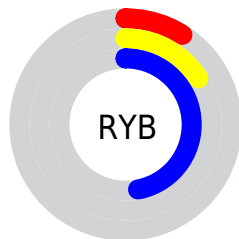
The YUV color **46.6730, 36.1502, -21.6382** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **95.3270, -36.1502, 21.6382**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **97.3690, 37.2861, -12.6016**, and **8.0940, 31.0127, -7.0984** is the 20% darker color. If you saturate the color by 10%, you get **37.8020, 40.5236, -24.3824**, and if you desaturate by 10%, it is **55.5440, 31.7768, -18.8941**.

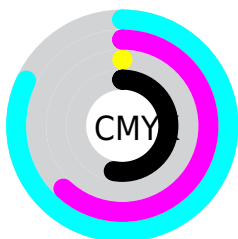
# Distribution



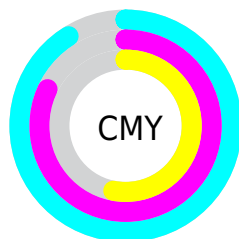
- Red (9%)
- Green (18%)
- Blue (47%)



- Red (9%)
- Yellow (16%)
- Blue (47%)



- Cyan (82%)
- Magenta (62%)
- Yellow (0%)
- Black (53%)



- Cyan (91%)
- Magenta (82%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.6730, 36.1502, -21.6382 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 46.6730, 36.1502, -21.6382 by changing the saturation by 10% instead.



■ 46.6730, 36.1502,  
-21.6382

■ 46.6730, 36.1502,  
-21.6382

■ 255.0000, 0.0000,  
0.0000

■ 25.5050, 34.2610,  
-22.3679

■ 97.3690, 37.2861,  
-12.6016

■ 8.0940, 31.0127,  
-7.0984

■ 123.6080, 38.1543,  
-11.0572

■ 7.7060, 19.3719,  
-6.7582

■ 149.8470, 39.0224,  
-9.5128

■ 3.5510, 11.0674,  
-3.1142

■ 177.0320, 38.4382,  
-8.7981

■ 0.0000, 0.0000,  
0.0000

■ 201.2530, 26.4973,  
-5.4839

■ 226.3600, 14.1195,

-2.0697

251.4670, 1.7418,  
1.3444

46.6730, 36.1502,  
-21.6382

46.6730, 36.1502,  
-21.6382

37.8020, 40.5236,  
-24.3824

55.5440, 31.7768,  
-18.8941

30.1160, 44.3128,  
-26.4117

64.4150, 27.4034,  
-16.1500

73.8730, 22.7406,  
-13.9206

82.7440, 18.3672,  
-11.1765

91.6150, 13.9938,  
-8.4324

■ 100.4860, 9.6204,  
-5.6882

■ 109.3570, 5.2470,  
-2.9441

■ 118.2280, 0.8736,  
-0.2000

■ 127.6860, -3.7892,  
2.0294

# Harmonies

## Analogous

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



49.1110, 38.3993, -43.0703



46.6730, 36.1502, -21.6382



48.8820, 22.7362, 34.3065

# Triad

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



46.6730, 36.1502, -21.6382



46.6130, -22.9802, 44.1894



43.7580, 0.1193, -38.3758

# Complementary

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



46.6730, 36.1502, -21.6382



95.3270, -36.1502, 21.6382

# 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.



37.5680, -18.5210, -32.9471



46.6730, 36.1502, -21.6382



49.1060, -24.2093, 18.3240

# Square

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



46.6730, 36.1502, -21.6382



36.2240, -6.0264, 66.4556



45.0980, -22.2333, -8.8559



48.6770, 16.4282, -42.6897



# Rectangle

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



46.6730, 36.1502, -21.6382



39.9020, 15.8243, 57.9679



45.0980, -22.2333, -8.8559



42.2760, -5.5591, -37.0761

# Sweetspot

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



46.6730, 36.1502, -21.6382



126.7290, 14.4306, -8.5323



87.8480, 3.5259, -57.7487



61.2580, 8.7468, -5.4883



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



46.6730, 36.1502, -21.6382



41.5740, 56.4120, -33.8294



40.3480, 39.2684, 4.9568



56.8580, 2.0420, -1.6295



31.2730, 46.2074, -27.4264



63.3610, 92.9990, -55.5676



# Inverse Universe

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



53.9240, -4.3995, 57.9487



52.8510, -6.8285, 90.4617



101.3530, -39.1210, -5.5716



57.0220, -0.0108, 3.4887



40.6810, -5.7587, 73.9478



82.0740, -11.3755, 149.0251



# Previews

## White Background



This preview shows how the YUV color 46.6730, 36.1502, -21.6382 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 46.6730, 36.1502, -21.6382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

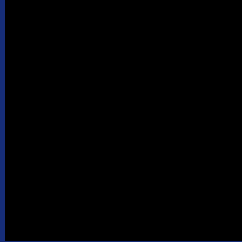
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 46.6730, 36.1502, -21.6382

## Background



This preview shows how black text looks on a background with the YUV color 46.6730, 36.1502, -21.6382.



This preview shows how white text looks on a background with the YUV color 46.6730, 36.1502, -21.6382.



# 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

46.6730, 36.1502, -21.6382

### Protanopia

41.4340, 31.8310, -36.3376

### Deuteranopia

42.0720, 24.1215, -36.8971

# Trichromacy



## Original Color

46.6730, 36.1502, -21.6382

## Protanomaly

43.2220, 33.4146, -30.8897

## Deuteranomaly

43.9570, 28.6152, -31.5343

# Monochromacy



## Original Color

46.6730, 36.1502, -21.6382

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.8000, 13.4096, -7.7176

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.6730, 36.1502, -21.6382 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(22, 45, 120)` looks like.

```
.text, #text, p{  
    color:rgb(22, 45, 120)  
}
```

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(22, 45, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 45, 120) }
```

## Border

The CSS property to change the border of an element to YUV 46.6730, 36.1502, -21.6382 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(22, 45, 120) }
```

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

```
.border{ border-color:rgb(22, 45, 120) }
```

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

Here you see how a box with a 4 pixel rgb(22, 45, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 45, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 45, 120);  
box-shadow:4px 4px 4px 4px rgb(22, 45,  
120) }
```



# Background

The CSS property to change the background color of an element to YUV 46.6730, 36.1502, -21.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 45, 120) }
```

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

```
.background{ background-color: rgb(22, 45,  
120) }
```

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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