

# Converting Colors

YUV(46.1420, 58.5970, 12.1535)

Have a look what the booklet for  
YUV(46.1420, 58.5970, 12.1535)  
contains.

<b>YUV(46.1420, 58.5970, 12.1535)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(46.1420, 58.5970,  
12.1535)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3C10A5
RGB	60, 16, 165
RGB Percent	24%, 6%, 65%
CMY	0.7647, 0.9373, 0.3529
CMYK	0.64, 0.90, 0.00, 0.35
HSL	258°, 82%, 35%
HSV	258°, 90%, 65%
XYZ	8.8403, 4.0479, 35.9127
YIQ	46.1420, -21.6050, 55.6670

# Conversions

## Conversions Part 2

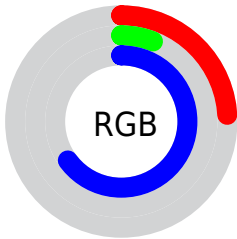
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	60, 16, 165
Decimal	3936421
CIE <sub>Lab</sub>	23.83, 54.86, -69.51
CIE <sub>LCh</sub>	24, 88.556, 308.282
Yxy	4.0479, 0.1812, 0.0829
Android (android.graphics.Color)	4282126501 (0xFF3C10A5)
YUV	46.1420, 58.5970, 12.1535
Hunter-Lab	20.1193, 43.2232, -91.7485

# Details

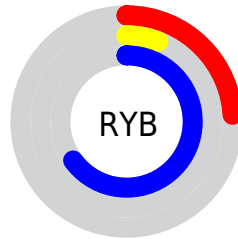
The YUV color **46.1420, 58.5970, 12.1535** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **134.8580, -58.5970, -12.1535**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **102.7620, 58.2913, 16.8717**, and **12.7680, 48.9214, -11.1975** is the 20% darker color. If you saturate the color by 10%, you get **33.4610, 64.8487, 13.6277**, and if you desaturate by 10%, it is **59.1220, 52.1979, 11.2940**.

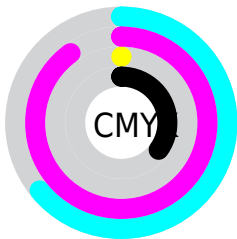
# Distribution



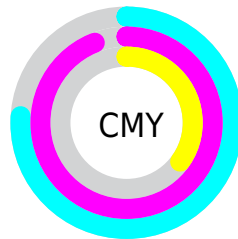
- Red (24%)
- Green (6%)
- Blue (65%)



- Red (24%)
- Yellow (6%)
- Blue (65%)



- Cyan (64%)
- Magenta (90%)
- Yellow (0%)
- Black (35%)



- Cyan (76%)
- Magenta (94%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.1420, 58.5970, 12.1535 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 46.1420, 58.5970, 12.1535 by changing the saturation by 10% instead.



■ 46.1420, 58.5970,  
12.1535

■ 46.1420, 58.5970,  
12.1535

■ 255.0000, 0.0000,  
0.0000

■ 21.1140, 57.6248,  
-2.7310

■ 102.7620, 58.2913,  
16.8717

■ 12.7680, 48.9214,  
-11.1975

■ 130.0010, 59.1595,  
18.4161

■ 9.8040, 37.5646,  
-8.5981

■ 154.8030, 49.3971,  
22.9748

■ 10.5900, 25.3451,  
-9.2874

■ 179.6220, 37.1614,  
27.5185

■ 6.2070, 16.1669,  
-5.4435

■ 204.4410, 24.9256,  
32.0622

■ 2.4110, 6.6994,  
-2.1144


■ 225.0630, 14.7589,


■ 0.0000, 0.0000,


26.2547


0.0000


 242.0860, 6.3666,  
11.3256


 46.1420, 58.5970,  
12.1535


 46.1420, 58.5970,  
12.1535


 33.4610, 64.8487,  
13.6277

 59.1220, 52.1979,  
11.2940

 72.3900, 45.6567,  
9.3050

 85.3700, 39.2576,  
8.4455

 98.9370, 32.5691,  
7.0713

 111.6180, 26.3173,  
5.5970

■ 125.1850, 19.6288,  
4.2228

■ 137.8660, 13.3771,  
2.7485

■ 151.4330, 6.6885,  
1.3743

■ 164.4130, 0.2894,  
0.5148

# Harmonies

## Analogous

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



59.7980, 66.6546, -52.4428



46.1420, 58.5970, 12.1535



54.7700, 26.2424, 76.5007

# Triad

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



46.1420, 58.5970, 12.1535



49.6030, -24.4543, 50.3372



54.3360, 10.1874, -47.6527

# Complementary

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



46.1420, 58.5970, 12.1535



134.8580, -58.5970, -12.1535

# 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.



44.6120, -21.9937, -39.1247



46.1420, 58.5970, 12.1535



51.9530, -25.6128, 1.7952

# Square

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



46.1420, 58.5970, 12.1535



43.3550, -21.3740, 89.1427



42.2640, -20.8362, -37.0655



62.3330, 38.2898, -54.6660



# Rectangle

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



46.1420, 58.5970, 12.1535



54.8370, 4.5174, 91.3510



42.2640, -20.8362, -37.0655



51.0130, -0.0064, -44.7384

# Sweetspot

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



46.1420, 58.5970, 12.1535



167.6950, 22.8284, 4.6525



95.7950, 34.1181, -69.9802



79.8660, 13.3771, 2.7485



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.



46.1420, 58.5970, 12.1535



43.2330, 84.1881, 17.3357



67.9690, 47.8363, 57.0322



74.9230, 3.4890, 0.9445



29.3870, 56.9972, 11.9386



3.5470, 7.1253, 1.2743



# Inverse Universe

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



72.5210, 23.9001, 81.1041



81.2000, 34.4114, 116.4656



113.0310, -47.8363, -57.0322



76.3750, 1.2941, 4.9331



54.9830, 23.1794, 78.9449

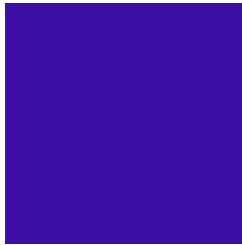


6.8640, 3.0250, 9.7663



# Previews

## White Background



This preview shows how the YUV color 46.1420, 58.5970, 12.1535 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

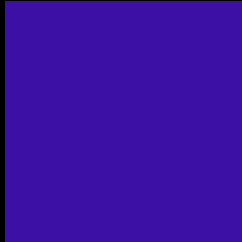
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 46.1420, 58.5970, 12.1535 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

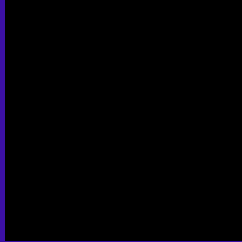
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 46.1420, 58.5970, 12.1535

## Background



This preview shows how black text looks on a background with the YUV color 46.1420, 58.5970, 12.1535.



This preview shows how white text looks on a background with the YUV color 46.1420, 58.5970,



# 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

46.1420, 58.5970, 12.1535

### Protanopia

46.3240, 35.3363, -40.6261

### Deuteranopia

46.6200, 26.3163, -40.8857



## Tritanopia

45.4340, 11.6180, -39.8456

# Trichromacy



## Original Color

46.1420, 58.5970, 12.1535

## Protanomaly

46.0350, 43.8597, -21.0787

## Deuteranomaly

46.5420, 38.1868, -21.5233

## Tritanomaly

46.0230, 28.5827, -21.0682

# Monochromacy



## Original Color

46.1420, 58.5970, 12.1535

## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

45.9400, 21.2286, 4.4376

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.1420, 58.5970, 12.1535 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(60, 16, 165)` looks like.

```
.text, #text, p{  
    color:rgb(60, 16, 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(60, 16, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 16, 165) }
```

## Border

The CSS property to change the border of an element to YUV 46.1420, 58.5970, 12.1535 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(60, 16, 165) }
```



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

```
.border{ border-color:rgb(60, 16, 165) }
```

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

Here you see how a box with a 4 pixel rgb(60, 16, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 16, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 16, 165);  
box-shadow:4px 4px 4px 4px rgb(60, 16,  
165) }
```

# Background

The CSS property to change the background color of an element to YUV 46.1420, 58.5970, 12.1535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 16, 165) }
```

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

```
.background{ background-color: rgb(60, 16,  
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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor