

# Converting Colors

YUV(46.4950, 19.4760, 6.5819)

Have a look what the booklet for  
YUV(46.4950, 19.4760, 6.5819)  
contains.

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# Color

**YUV(46.4950, 19.4760,  
6.5819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	362356
RGB	54, 35, 86
RGB Percent	21%, 14%, 34%
CMY	0.7882, 0.8627, 0.6627
CMYK	0.37, 0.59, 0.00, 0.66
HSL	262°, 42%, 24%
HSV	262°, 59%, 34%
XYZ	3.8021, 2.6582, 9.1168
YIQ	46.4950, -5.0470, 19.8890

# Conversions

## Conversions Part 2

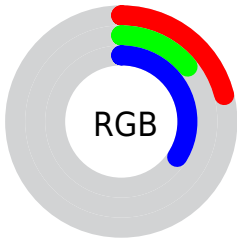
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	54, 35, 86
Decimal	3547990
CIE <sub>Lab</sub>	18.62, 21.78, -27.81
CIE <sub>LCh</sub>	19, 35.321, 308.067
Yxy	2.6582, 0.2441, 0.1706
Android (android.graphics.Color)	4281738070 (0xFF362356)
YUV	46.4950, 19.4760, 6.5819
Hunter-Lab	16.3040, 13.0937, -21.7406

# Details

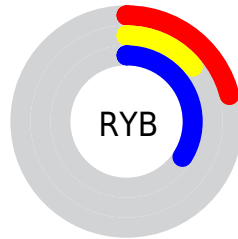
The YUV color **46.4950, 19.4760, 6.5819** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **74.5050, -19.4760, -6.5819**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.2610, 21.0703, 8.5411**, and **6.9520, 16.2927, 0.9191** is the 20% darker color. If you saturate the color by 10%, you get **39.7170, 22.8175, 8.1412**, and if you desaturate by 10%, it is **53.2730, 16.1344, 5.0226**.

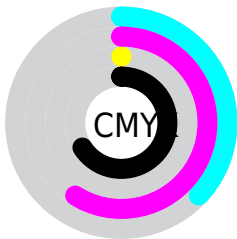
# Distribution



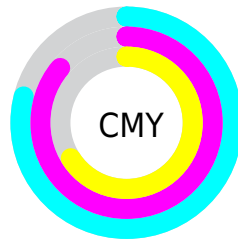
- Red (21%)
- Green (14%)
- Blue (34%)



- Red (21%)
- Yellow (14%)
- Blue (34%)



- Cyan (37%)
- Magenta (59%)
- Yellow (0%)
- Black (66%)



- Cyan (79%)
- Magenta (86%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.4950, 19.4760, 6.5819 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 46.4950, 19.4760, 6.5819 by changing the saturation by 10% instead.



■ 46.4950, 19.4760,  
6.5819

■ 46.4950, 19.4760,  
6.5819

■ 255.0000, 0.0000,  
0.0000

■ 24.2560, 18.6078,  
5.0375

■ 93.2610, 21.0703,  
8.5411

■ 6.9520, 16.2927,  
0.9191

■ 118.7880, 21.7965,  
8.9559

■ 2.6390, 7.5730,  
-2.3144

■ 144.3150, 22.5227,  
9.3707

■ 0.0000, 0.0000,  
0.0000

■ 170.8420, 23.2489,  
9.7856

■ 198.2550, 23.5383,  
10.3004

■ 224.3880, 15.0917,

12.8147

245.6080, 4.6303,  
8.2368

46.4950, 19.4760,  
6.5819

46.4950, 19.4760,  
6.5819

39.7170, 22.8175,  
8.1412

53.2730, 16.1344,  
5.0226

33.2270, 26.0171,  
8.5709

59.7630, 12.9348,  
4.5928

26.4490, 29.3586,  
10.1302

66.5410, 9.5933,  
3.0335

19.9590, 32.5582,  
10.5600

73.0310, 6.3937,  
2.6038

19.3720, 32.8476,  
11.0748

79.8090, 3.0522,  
1.0445

■ 86.5870, -0.2894,  
-0.5148

■ 93.0770, -3.4890,  
-0.9445

■ 99.8550, -6.8305,  
-2.5038

■ 106.3450,  
-10.0301, -2.9336

# Harmonies

## Analogous

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



37.9460, 28.6206, -33.2786



46.4950, 19.4760, 6.5819



43.9560, 10.3747, 32.4876

# Triad

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



46.4950, 19.4760, 6.5819



43.2470, -21.3208, 25.2164



39.3870, 6.2182, -34.5424

# Complementary

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



46.4950, 19.4760, 6.5819



74.5050, -19.4760, -6.5819

# 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.



35.1350, -4.9966, -30.8134



46.4950, 19.4760, 6.5819



42.2510, -20.8297, 7.6729

# Square

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



46.4950, 19.4760, 6.5819



41.3980, -13.5072, 39.1160



37.4010, -18.4387, -12.6297



41.5360, 16.9908, -36.4271



# Rectangle

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



46.4950, 19.4760, 6.5819



40.5890, 3.6536, 41.5794



37.4010, -18.4387, -12.6297



37.7740, 2.5764, -33.1278

# Sweetspot

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



46.4950, 19.4760, 6.5819



96.6720, 7.5567, 2.9187



59.5980, 13.0162, -21.5724



46.5640, 4.6519, 1.2594



184.0000, 0.0000, 0.0000



56.0000, 0.0000, 0.0000



# Same Dimension

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



46.4950, 19.4760, 6.5819



50.6770, 30.2322, 9.9303



53.9700, 15.7908, 21.9513



40.0540, 1.4524, 0.8296



24.1580, 40.8411, 13.8934



52.8030, 89.8231, 29.9908



# Inverse Universe

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



53.8970, 6.4598, 28.1543



62.3210, 10.1947, 43.5685



67.0300, -15.7908, -21.9513



40.5380, 0.7208, 2.1592



39.6310, 13.4929, 59.0826



87.0230, 29.5687, 129.7758



# Previews

## White Background



This preview shows how the YUV color 46.4950, 19.4760, 6.5819 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 46.4950, 19.4760, 6.5819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

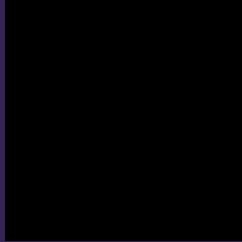
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 46.4950, 19.4760, 6.5819

## Background



This preview shows how black text looks on a background with the YUV color 46.4950, 19.4760, 6.5819.



This preview shows how white text looks on a background with the YUV color 46.4950, 19.4760,



# 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

46.4950, 19.4760, 6.5819

### Protanopia

36.5440, 28.3258, -32.0491

### Deuteranopia

37.0510, 22.6529, -32.4937



## Tritanopia

45.7550, 1.5998, 0.2149

# Trichromacy



## Original Color

46.4950, 19.4760, 6.5819

## Protanomaly

40.4210, 24.9354, -17.9092

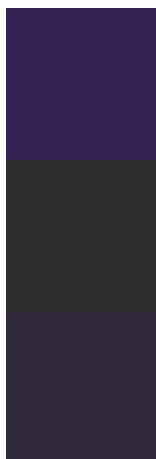
## Deuteranomaly

40.7970, 21.2991, -18.2390

## Tritanomaly

45.7860, 7.9935, 2.8187

# Monochromacy



## Original Color

46.4950, 19.4760, 6.5819

## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

46.2590, 7.2673, 2.4039

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.4950, 19.4760, 6.5819 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(54, 35, 86)` looks like.

```
.text, #text, p{  
    color:rgb(54, 35, 86)  
}
```

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(54, 35, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 35, 86) }
```

## Border

The CSS property to change the border of an element to YUV 46.4950, 19.4760, 6.5819 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(54, 35, 86) }
```



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

```
.border{ border-color:rgb(54, 35, 86) }
```

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

Here you see how a box with a 4 pixel rgb(54, 35, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 35, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 35, 86);  
box-shadow:4px 4px 4px 4px rgb(54, 35, 86)  
}
```

# Background

The CSS property to change the background color of an element to YUV 46.4950, 19.4760, 6.5819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 35, 86) }
```

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

```
.background{ background-color: rgb(54, 35,  
86) }
```

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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