

# Converting Colors

YUV(18.4730, 53.0108,  
-16.2008)

Have a look what the booklet for  
YUV(18.4730, 53.0108, -16.2008)  
contains.

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# Color

**YUV(18.4730, 53.0108,  
-16.2008)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00077E
RGB	0, 7, 126
RGB Percent	0%, 3%, 49%
CMY	1.0000, 0.9725, 0.5059
CMYK	1.00, 0.94, 0.00, 0.51
HSL	237°, 100%, 25%
HSV	237°, 100%, 49%
XYZ	3.8419, 1.6583, 19.8563
YIQ	18.4730, -42.3710, 35.5250

# Conversions

## Conversions Part 2

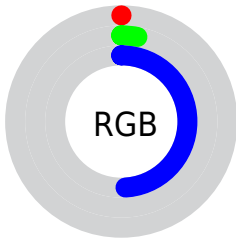
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 7, 126
Decimal	1918
CIELab	13.58, 44.09, -62.41
CIELCh	14, 76.417, 305.238
Yxy	1.6583, 0.1515, 0.0654
Android (android.graphics.Color)	4278191998 (0xFF00077E)
YUV	18.4730, 53.0108, -16.2008
Hunter-Lab	12.8776, 30.7177, -82.4066

# Details

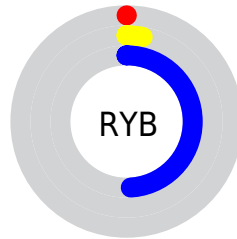
The YUV color **18.4730, 53.0108, -16.2008** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **107.5270, -53.0108, 16.2008**, and the grayscale version is **18.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **77.0240, 50.7672, 3.4870**, and **8.5500, 32.7599, -7.4984** is the 20% darker color. If you saturate the color by 10%, you get **18.4730, 53.0108, -16.2008**, and if you desaturate by 10%, it is **29.4040, 47.6218, -14.3863**.

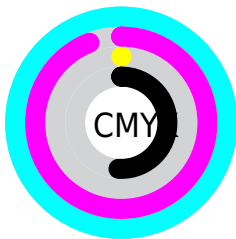
# Distribution



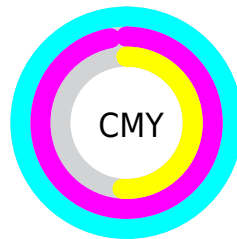
- Red (0%)
- Green (3%)
- Blue (49%)



- Red (0%)
- Yellow (3%)
- Blue (49%)



- Cyan (100%)
- Magenta (94%)
- Yellow (0%)
- Black (51%)



- Cyan (100%)
- Magenta (97%)
- Yellow (51%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 18.4730, 53.0108, -16.2008 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 18.4730, 53.0108, -16.2008 by changing the saturation by 10% instead.



■ 18.4730, 53.0108,  
-16.2008

■ 18.4730, 53.0108,  
-16.2008

■ 246.1950, 4.3409,  
7.7220

■ 11.4000, 43.6798,  
-9.9978

■ 77.0240, 50.7672,  
3.4870

■ 8.5500, 32.7599,  
-7.4984

■ 102.9750, 51.7773,  
6.1609

■ 8.2760, 21.5559,  
-7.2581

■ 129.6270, 52.9349,  
8.2201

■ 4.5940, 12.5252,  
-4.0289

■ 155.6120, 48.9983,  
10.8643

■ 0.0000, 0.0000,  
0.0000

■ 180.4310, 36.7625,  
15.4080

■ 204.9510, 24.6742,

19.3370

■ 229.7590, 12.4438,  
22.1364

■ 18.4730, 53.0108,  
-16.2008

■ 29.4040, 47.6218,  
-14.3863

■ 40.0360, 42.3803,  
-13.1866

■ 50.9670, 36.9913,  
-11.3721

■ 61.5990, 31.7497,  
-10.1723

■ 71.9430, 26.6501,  
-7.8430

■ 82.8740, 21.2611,  
-6.0285

■ 93.5060, 16.0195,  
-4.8288

■ 104.4370, 10.6306,  
-3.0142

■ 115.0690, 5.3890,  
-1.8145

# Harmonies

## Analogous

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



42.5860, 51.4761, -37.3479



18.4730, 53.0108, -16.2008



38.8350, 20.7873, 52.7647

# Triad

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



18.4730, 53.0108, -16.2008



25.3710, -12.5079, 45.2786



34.2520, 4.3128, -30.0390

# Complementary

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



18.4730, 53.0108, -16.2008



107.5270, -53.0108, 16.2008

# 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.



28.7630, -14.1802, -25.2252



18.4730, 53.0108, -16.2008



32.4830, -16.0141, 3.0844

# Square

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



18.4730, 53.0108, -16.2008



31.6940, -15.6251, 65.1664



27.0020, -13.3120, -23.6808



42.1690, 27.0317, -36.9822



# Rectangle

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



18.4730, 53.0108, -16.2008



39.6290, 3.1409, 66.1004



27.0020, -13.3120, -23.6808



32.2000, -3.5496, -28.2394

# Sweetspot

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



18.4730, 53.0108, -16.2008



121.3470, 20.5349, -6.4433



87.4140, 15.0789, -76.6621



56.5940, 12.5252, -4.0289



209.0000, 0.0000, 0.0000



82.0000, 0.0000, 0.0000



# Same Dimension

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



18.4730, 53.0108, -16.2008



23.8650, 68.5936, -20.9296



30.8090, 46.9292, 21.2155



58.3850, 2.7682, -1.2146



18.7010, 53.8844, -16.4008



0.0000, 0.0000, 0.0000



# Inverse Universe

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



38.4720, -15.5157, 76.7621



49.7630, -20.0962, 99.3088



95.1910, -46.9292, -21.2155



59.2070, -0.5951, 4.2035



39.0700, -15.8105, 77.9916

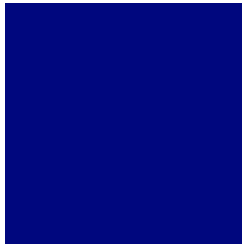


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 18.4730, 53.0108, -16.2008 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

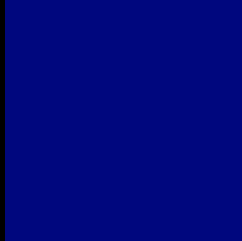
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 18.4730, 53.0108, -16.2008 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

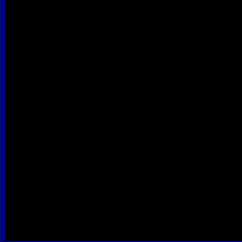
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 18.4730, 53.0108, -16.2008

## Background



This preview shows how black text looks on a background with the YUV color 18.4730, 53.0108, -16.2008.



This preview shows how white text looks on a background with the YUV color 18.4730, 53.0108,



# 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

18.4730, 53.0108, -16.2008

### Protanopia

30.6110, 23.3628, -26.8458

### Deuteranopia

31.0040, 17.2530, -27.1905



## Tritanopia

30.3710, 7.2121, -26.6354

# Trichromacy



## Original Color

18.4730, 53.0108, -16.2008

## Protanomaly

26.0920, 33.9716, -22.8827

## Deuteranomaly

26.4680, 30.3353, -23.2124

## Tritanomaly

26.0460, 23.6413, -22.8423

# Monochromacy



## Original Color

18.4730, 53.0108, -16.2008

## Achromatopsia

18.0000, 0.0000, 0.0000

## Achromatomaly

18.0050, 19.2245, -6.1434

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 18.4730, 53.0108, -16.2008 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(0, 7, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 7, 126)  
}
```

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(0, 7, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 7, 126) }
```

## Border

The CSS property to change the border of an element to YUV 18.4730, 53.0108, -16.2008 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(0, 7, 126) }
```



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

```
.border{ border-color:rgb(0, 7, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 7, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 7, 126); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 7, 126); box-shadow:4px  
4px 4px 4px rgb(0, 7, 126) }
```

# Background

The CSS property to change the background color of an element to YUV 18.4730, 53.0108, -16.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 7, 126) }
```

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

```
.background{ background-color: rgb(0, 7,  
126) }
```

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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