

# Converting Colors

YUV(19.8340, 45.4378,  
-13.8864)

Have a look what the booklet for  
YUV(19.8340, 45.4378, -13.8864)  
contains.

<b>YUV(19.8340, 45.4378, -13.8864)</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(19.8340, 45.4378,  
-13.8864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	040A70
RGB	4, 10, 112
RGB Percent	2%, 4%, 44%
CMY	0.9843, 0.9608, 0.5608
CMYK	0.96, 0.91, 0.00, 0.56
HSL	237°, 93%, 23%
HSV	237°, 96%, 44%
XYZ	3.0832, 1.4127, 15.4394
YIQ	19.8340, -36.3180, 30.4500

# Conversions

## Conversions Part 2

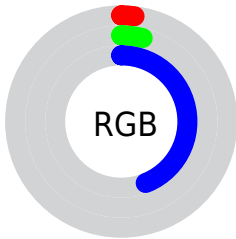
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	4, 10, 112
Decimal	264816
CIE <sub>Lab</sub>	12.04, 38.59, -55.94
CIE <sub>LCh</sub>	12, 67.963, 304.599
Yxy	1.4127, 0.1547, 0.0709
Android (android.graphics.Color)	4278454896 (0xFF040A70)
YUV	19.8340, 45.4378, -13.8864
Hunter-Lab	11.8859, 25.5032, -68.6957

# Details

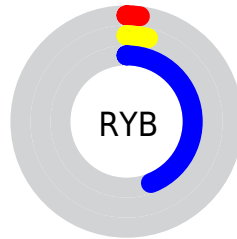
The YUV color **19.8340, 45.4378, -13.8864** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **96.1660, -45.4378, 13.8864**, and the grayscale version is **19.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **74.7050, 44.5154, 2.0127**, and **8.9430, 26.6501, -7.8430** is the 20% darker color. If you saturate the color by 10%, you get **16.2900, 47.1850, -14.2863**, and if you desaturate by 10%, it is **29.5800, 40.6331, -12.7867**.

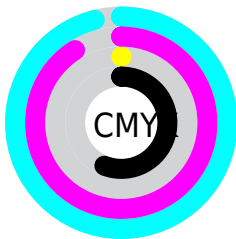
# Distribution



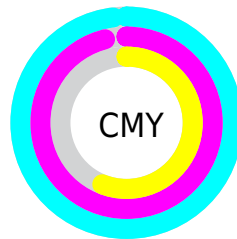
- Red (2%)
- Green (4%)
- Blue (44%)



- Red (2%)
- Yellow (4%)
- Blue (44%)



- Cyan (96%)
- Magenta (91%)
- Yellow (0%)
- Black (56%)



- Cyan (98%)
- Magenta (96%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 19.8340, 45.4378, -13.8864 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 19.8340, 45.4378, -13.8864 by changing the saturation by 10% instead.



■ 19.8340, 45.4378,  
-13.8864

■ 19.8340, 45.4378,  
-13.8864

■ 245.6080, 4.6303,  
8.2368

■ 9.9180, 38.0014,  
-8.6981

■ 74.7050, 44.5154,  
2.0127

■ 8.9430, 26.6501,  
-7.8430

■ 100.0690, 45.8150,  
5.2015

■ 6.3210, 16.6037,  
-5.5435

■ 126.3080, 46.6832,  
6.7459

■ 2.5250, 7.1362,  
-2.2144

■ 153.2480, 47.6987,  
7.6755

■ 0.0000, 0.0000,  
0.0000

■ 177.7510, 38.0838,  
11.6194

■ 202.2710, 25.9954,

15.5483

■ 227.6770, 13.4702,  
19.5773

■ 19.8340, 45.4378,  
-13.8864

■ 19.8340, 45.4378,  
-13.8864

■ 16.2900, 47.1850,  
-14.2863

■ 29.5800, 40.6331,  
-12.7867

■ 38.7390, 36.1177,  
-11.1721

■ 48.7840, 31.1655,  
-9.4576

■ 57.9430, 26.6501,  
-7.8430

■ 67.6890, 21.8453,  
-6.7433

■ 76.8480, 17.3299,  
-5.1287

■ 86.5940, 12.5252,  
-4.0289

■ 96.6390, 7.5730,  
-2.3144

■ 105.7980, 3.0576,  
-0.6998

# Harmonies

## Analogous

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



37.7130, 45.4975, -33.0743



19.8340, 45.4378, -13.8864



34.3350, 19.0618, 46.1872

# Triad

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



19.8340, 45.4378, -13.8864



23.8650, -11.7654, 40.4604



31.3340, 3.2863, -27.4799

# Complementary

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



19.8340, 45.4378, -13.8864



96.1660, -45.4378, 13.8864

# 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.



26.4150, -13.0226, -23.1660



19.8340, 45.4378, -13.8864



29.5370, -14.5617, 3.9141

# Square

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



19.8340, 45.4378, -13.8864



28.4050, -14.0037, 58.4038



24.6540, -12.1544, -21.6216



38.4530, 22.9477, -33.7233



# Rectangle

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



19.8340, 45.4378, -13.8864



35.2860, 3.3100, 58.5082



24.6540, -12.1544, -21.6216



29.3960, -4.1392, -25.7803

# Sweetspot

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



19.8340, 45.4378, -13.8864



109.5490, 17.4773, -5.7435



78.9100, 12.8624, -65.6961



52.1380, 10.7780, -3.6290



201.0000, 0.0000, 0.0000



74.0000, 0.0000, 0.0000



# Same Dimension

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



19.8340, 45.4378, -13.8864



21.2260, 61.0206, -18.6152



30.3650, 40.2461, 18.0969



51.2710, 2.3314, -1.1147



17.7890, 50.3900, -15.6010



36.3760, 103.8376, -31.9018



# Inverse Universe

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



36.9760, -13.2992, 65.7960



44.2670, -17.8796, 88.3428



85.6350, -40.2461, -18.0969



51.9080, -0.4476, 3.5887



36.6780, -14.6313, 73.0734

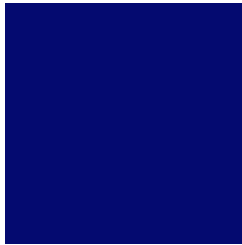


75.4490, -30.2944, 150.4502



# Previews

## White Background



This preview shows how the YUV color 19.8340, 45.4378, -13.8864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

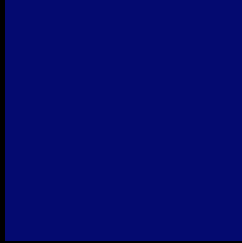
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 19.8340, 45.4378, -13.8864 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

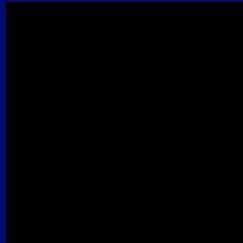
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 19.8340, 45.4378, -13.8864

## Background



This preview shows how black text looks on a background with the YUV color 19.8340, 45.4378, -13.8864.



This preview shows how white text looks on a background with the YUV color 19.8340, 45.4378,



# 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

19.8340, 45.4378, -13.8864

### Protanopia

27.3510, 21.0260, -23.9868

### Deuteranopia

27.8580, 15.3530, -24.4315



## Tritanopia

27.4530, 6.1857, -24.0763

# Trichromacy



## Original Color

19.8340, 45.4378, -13.8864

## Protanomaly

24.6640, 29.7456, -20.7533

## Deuteranomaly

25.0400, 26.1093, -21.0831

## Tritanomaly

24.2590, 20.5783, -20.3981

# Monochromacy



## Original Color

19.8340, 45.4378, -13.8864

## Achromatopsia

20.0000, 0.0000, 0.0000

## Achromatomaly

19.6200, 16.4563, -4.9287

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 19.8340, 45.4378, -13.8864 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(4, 10, 112)` looks like.

```
.text, #text, p{  
    color:rgb(4, 10, 112)  
}
```

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(4, 10, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 10, 112) }
```

## Border

The CSS property to change the border of an element to YUV 19.8340, 45.4378, -13.8864 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(4, 10, 112) }
```



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

```
.border{ border-color:rgb(4, 10, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 10, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 10, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 10, 112);  
box-shadow:4px 4px 4px 4px rgb(4, 10, 112)  
}
```

# Background

The CSS property to change the background color of an element to YUV 19.8340, 45.4378, -13.8864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 10, 112) }
```

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

```
.background{ background-color: rgb(4, 10,  
112) }
```

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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