

# Converting Colors

YUV(57.0500, 40.8944,  
-50.0328)

Have a look what the booklet for  
YUV(57.0500, 40.8944, -50.0328)  
contains.

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# Color

**YUV(57.0500, 40.8944,  
-50.0328)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00468C
RGB	0, 70, 140
RGB Percent	0%, 27%, 55%
CMY	1.0000, 0.7255, 0.4510
CMYK	1.00, 0.50, 0.00, 0.45
HSL	210°, 100%, 27%
HSV	210°, 100%, 55%
XYZ	6.9238, 6.2738, 25.6570
YIQ	57.0500, -64.1900, 6.9300

# Conversions

## Conversions Part 2

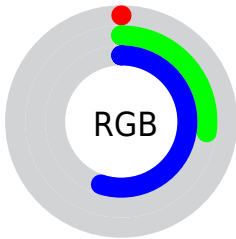
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 47, 140
Decimal	18060
CIELab	30.09, 10.14, -44.06
CIELCh	30, 45.214, 282.964
Yxy	6.2738, 0.1782, 0.1615
Android (android.graphics.Color)	4278208140 (0xFF00468C)
YUV	57.0500, 40.8944, -50.0328
Hunter-Lab	25.0475, 5.5090, -43.1995

# Details

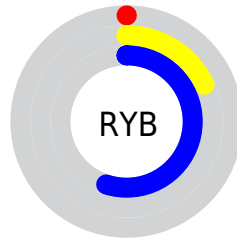
The YUV color **57.0500, 40.8944, -50.0328** is a dark color, and the websafe version is hex **003366**, and the color name is **midnight blue**. A complement of this color would be **82.9500, -40.8943, 50.0329**, and the grayscale version is **57.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **115.3020, 38.7981, -30.9599**, and **26.5820, 30.7721, -23.3124** is the 20% darker color. If you saturate the color by 10%, you get **57.0500, 40.8944, -50.0328**, and if you desaturate by 10%, it is **65.3450, 36.8049, -45.0296**.

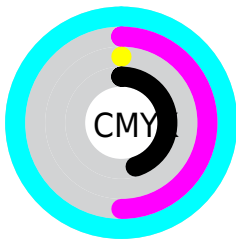
# Distribution



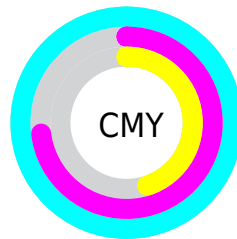
- Red (0%)
- Green (27%)
- Blue (55%)



- Red (0%)
- Yellow (18%)
- Blue (55%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (73%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 57.0500, 40.8944, -50.0328 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 57.0500, 40.8944, -50.0328 by changing the saturation by 10% instead.



■ 57.0500, 40.8944,  
-50.0328

■ 57.0500, 40.8944,  
-50.0328

■ 255.0000, 0.0000,  
0.0000

■ 41.1720, 35.9042,  
-36.1078

■ 115.3020, 38.7981,  
-30.9599

■ 26.5820, 30.7721,  
-23.3124

■ 141.8400, 39.5189,  
-28.8007

■ 7.4100, 28.3919,  
-6.4986

■ 169.0790, 40.3871,  
-27.2563

■ 6.5490, 17.4773,  
-5.7435

■ 194.3430, 29.9039,  
-24.8568

■ 2.8670, 8.4466,  
-2.5144

■ 218.8630, 17.8155,  
-20.9279

■ 0.0000, 0.0000,  
0.0000

■ 244.8560, 5.0010,

-17.4137

254.7010, 0.1474,  
-0.6148

■ 57.0500, 40.8944,  
-50.0328

■ 65.3450, 36.8049,  
-45.0296

■ 73.6400, 32.7155,  
-40.0263

■ 81.9350, 28.6260,  
-35.0230

■ 90.2300, 24.5366,  
-30.0197

■ 98.5250, 20.4472,  
-25.0164

■ 106.8200, 16.3577,  
-20.0131

■ 115.1150, 12.2683,  
-15.0099

■ 123.4100, 8.1789,  
-10.0066

■ 131.7050, 4.0894,  
-5.0033

# Harmonies

## Analogous

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



62.6920, 37.1268, -54.9809



57.0500, 40.8944, -50.0328



72.9290, 24.6850, 15.8483

# Triad

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



57.0500, 40.8944, -50.0328



66.2270, -20.8179, 50.6669



55.4810, -3.1951, -48.6568

# Complementary

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



57.0500, 40.8944, -50.0328



82.9500, -40.8943, 50.0329

# 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.



58.4720, -22.9107, -24.9699



57.0500, 40.8944, -50.0328



67.1910, -33.1252, 31.4045

# Square

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



57.0500, 40.8944, -50.0328



65.0490, -3.9682, 59.5930



65.2650, -32.1756, 6.7836



60.8730, 12.3876, -53.3856



# Rectangle

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



57.0500, 40.8944, -50.0328



70.7810, 15.8840, 38.7801



65.2650, -32.1756, 6.7836



53.5260, -8.1473, -46.9423

# Sweetspot

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



57.0500, 40.8944, -50.0328



149.0050, 15.7735, -19.2984



90.1600, -9.9389, -79.0703



72.1540, 9.7841, -11.5361



219.0000, 0.0000, 0.0000



92.0000, 0.0000, 0.0000



# Same Dimension

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



57.0500, 40.8944, -50.0328



74.0510, 52.7259, -64.9427



15.9600, 61.1517, -13.9969



64.5590, 2.1894, -2.2442



53.9040, 38.9943, -47.2738



2.3310, 1.3158, -2.0443



# Inverse Universe

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



49.8400, 9.9389, 79.0703



64.4930, 13.0680, 102.1766



124.0400, -61.1517, 13.9969



64.4350, 0.2785, 4.0035



47.2910, 9.2235, 75.1668



1.8370, 0.5734, 2.7740



# Previews

## White Background



This preview shows how the YUV color 57.0500, 40.8944, -50.0328 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 57.0500, 40.8944, -50.0328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

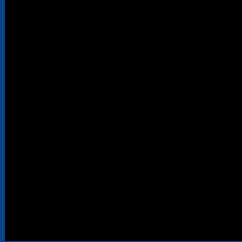
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 57.0500, 40.8944, -50.0328

## Background



This preview shows how black text looks on a background with the YUV color 57.0500, 40.8944, -50.0328.



This preview shows how white text looks on a background with the YUV color 57.0500, 40.8944,



# 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

57.0500, 40.8944, -50.0328

### Protanopia

65.0200, 36.4721, -31.5895

### Deuteranopia

57.3290, 34.3478, -50.2775



## Tritanopia

55.9490, 13.8291, -49.0673

# Trichromacy



## Original Color

57.0500, 40.8944, -50.0328

## Protanomaly

61.7310, 38.0936, -38.3521

## Deuteranomaly

57.3120, 36.8212, -50.2626

## Tritanomaly

56.4680, 23.4333, -49.5224

# Monochromacy



## Original Color

57.0500, 40.8944, -50.0328

## Achromatopsia

57.0000, 0.0000, 0.0000

## Achromatomaly

57.0760, 14.7525, -18.4837

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 57.0500, 40.8944, -50.0328 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, 70, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 70, 140)  
}
```

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, 70, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 70, 140) }
```

## Border

The CSS property to change the border of an element to YUV 57.0500, 40.8944, -50.0328 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, 70, 140) }
```



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

```
.border{ border-color:rgb(0, 70, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 70, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 70, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 70, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 70, 140)  
}
```

# Background

The CSS property to change the background color of an element to YUV 57.0500, 40.8944, -50.0328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 70, 140) }
```

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

```
.background{ background-color: rgb(0, 70,  
140) }
```

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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