

# Converting Colors

YUV(36.0000, 16.7620, -9.6470)

Have a look what the booklet for  
YUV(36.0000, 16.7620, -9.6470)  
contains.

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# Color

**YUV(36.0000, 16.7620,  
-9.6470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	192346
RGB	25, 35, 70
RGB Percent	10%, 14%, 27%
CMY	0.9020, 0.8627, 0.7255
CMYK	0.64, 0.50, 0.00, 0.73
HSL	227°, 47%, 19%
HSV	227°, 64%, 27%
XYZ	2.1074, 1.8509, 6.0405
YIQ	36.0000, -17.1950, 8.7650

# Conversions

## Conversions Part 2

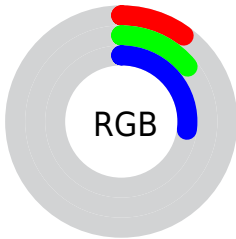
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 33, 70
Decimal	1647430
CIE Lab	14.68, 8.21, -23.37
CIE LCh	15, 24.772, 289.344
Yxy	1.8509, 0.2108, 0.1851
Android (android.graphics.Color)	4279837510 (0xFF192346)
YUV	36.0000, 16.7620, -9.6470
Hunter-Lab	13.6049, 3.8414, -16.8012

# Details

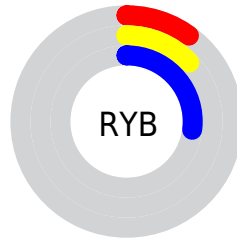
The YUV color **36.0000, 16.7620, -9.6470** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **59.0000, -16.7620, 9.6470**, and the grayscale version is **36.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **81.7660, 18.3564, -7.6878**, and **3.5510, 11.0674, -3.1142** is the 20% darker color. If you saturate the color by 10%, you get **30.9720, 19.2408, -11.3764**, and if you desaturate by 10%, it is **41.0280, 14.2832, -7.9176**.

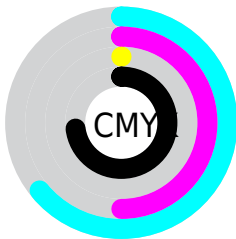
# Distribution



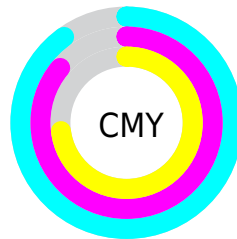
- Red (10%)
- Green (14%)
- Blue (27%)



- Red (10%)
- Yellow (13%)
- Blue (27%)



- Cyan (64%)
- Magenta (50%)
- Yellow (0%)
- Black (73%)



- Cyan (90%)
- Magenta (86%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 36.0000, 16.7620, -9.6470 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 36.0000, 16.7620, -9.6470 by changing the saturation by 10% instead.



■ 36.0000, 16.7620,  
-9.6470

■ 36.0000, 16.7620,  
-9.6470

■ 255.0000, 0.0000,  
0.0000

■ 13.5870, 16.4726,  
-10.1618

■ 81.7660, 18.3564,  
-7.6878

■ 3.5510, 11.0674,  
-3.1142

■ 106.1790, 18.6458,  
-7.1730

■ 0.0000, 0.0000,  
0.0000

■ 131.4070, 19.5193,  
-7.3729

■ 157.8200, 19.8087,  
-6.8581

■ 185.0480, 20.6823,  
-7.0581

■ 212.1620, 21.1191,

-7.1581

237.8560, 8.4520,  
-4.2587

36.0000, 16.7620,  
-9.6470

36.0000, 16.7620,  
-9.6470

30.9720, 19.2408,  
-11.3764

41.0280, 14.2832,  
-7.9176

25.3570, 22.0090,  
-12.5911

46.6430, 11.5150,  
-6.7029

20.3290, 24.4878,  
-14.3205

51.6710, 9.0362,  
-4.9735

17.3720, 25.9456,  
-15.2352

57.2860, 6.2680,  
-3.7588

62.3140, 3.7892,  
-2.0294

■ 67.9290, 1.0210,  
-0.8147

■ 72.9570, -1.4578,  
0.9147

■ 78.5720, -4.2260,  
2.1294

■ 83.6000, -6.7048,  
3.8588

# Harmonies

## Analogous

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



32.1610, 19.1476, -28.2052



36.0000, 16.7620, -9.6470



38.2370, 10.7292, 12.0702

# Triad

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



36.0000, 16.7620, -9.6470



35.5980, -13.6058, 24.0316



29.8350, 0.0813, -26.1653

# Complementary

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



36.0000, 16.7620, -9.6470



59.0000, -16.7620, 9.6470

# 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.



30.7950, -9.2659, -14.7292



36.0000, 16.7620, -9.6470



35.5060, -17.5045, 14.4652

# Square

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



36.0000, 16.7620, -9.6470



35.7370, -4.3073, 28.2947



33.6570, -16.5929, 2.0548



31.8870, 7.9437, -27.9649



# Rectangle

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



36.0000, 16.7620, -9.6470



37.7390, 6.0447, 21.2769



33.6570, -16.5929, 2.0548



28.5640, -2.2501, -25.0506

# Sweetspot

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



36.0000, 16.7620, -9.6470



78.4000, 6.7048, -3.8588



55.4050, 2.2653, -26.6652



38.0150, 3.9366, -2.6442



173.0000, 0.0000, 0.0000



46.0000, 0.0000, 0.0000



# Same Dimension

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



36.0000, 16.7620, -9.6470



38.4860, 26.3824, -15.3352



33.7180, 17.8870, 2.8783



33.0430, 1.4578, -0.9147



24.2000, 36.8764, -21.2234



55.2280, 84.6836, -48.4350



# Inverse Universe

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



39.5950, -2.2653, 26.6652



44.0530, -3.4771, 42.0495



61.2820, -17.8870, -2.8783



33.3100, -0.1528, 2.3591



32.1090, -4.9837, 58.6634



73.5730, -11.6215, 134.5555



# Previews

## White Background



This preview shows how the YUV color 36.0000, 16.7620, -9.6470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

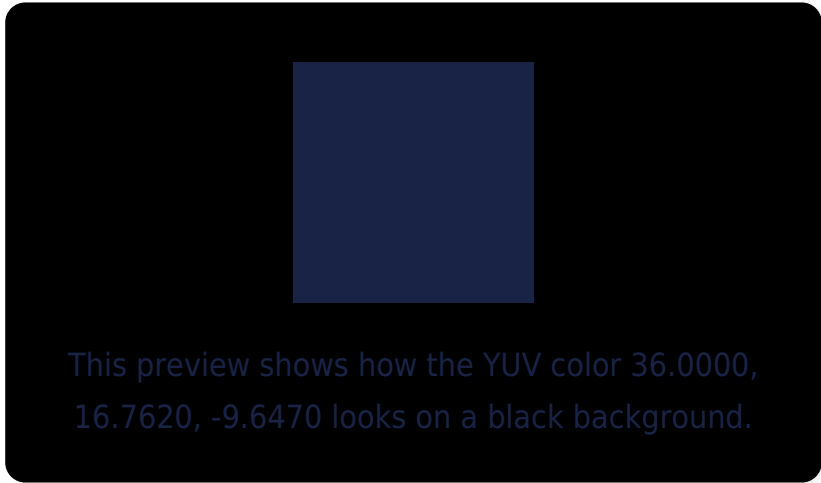
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

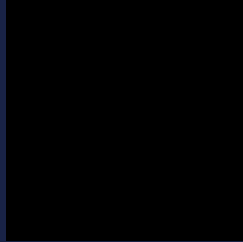
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 36.0000, 16.7620, -9.6470

## Background



This preview shows how black text looks on a background with the YUV color 36.0000, 16.7620, -9.6470.



This preview shows how white text looks on a background with the YUV color 36.0000, 16.7620,

-9.6470.

# 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

36.0000, 16.7620, -9.6470

### Protanopia

34.3090, 18.0887, -15.1800

### Deuteranopia

29.9440, 18.2686, -26.2609



## Tritanopia

31.7740, 6.0274, -19.9728

# Trichromacy



## Original Color

36.0000, 16.7620, -9.6470

## Protanomaly

35.2060, 17.6464, -13.3357

## Deuteranomaly

32.1620, 17.6681, -20.3131

## Tritanomaly

33.4200, 9.6529, -16.1543

# Monochromacy



## Original Color

36.0000, 16.7620, -9.6470

## Achromatopsia

36.0000, 0.0000, 0.0000

## Achromatomaly

36.1720, 5.8312, -3.6588

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 36.0000, 16.7620, -9.6470 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(25, 35, 70)` looks like.

```
.text, #text, p{  
    color:rgb(25, 35, 70)  
}
```

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(25, 35, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 35, 70) }
```

## Border

The CSS property to change the border of an element to YUV 36.0000, 16.7620, -9.6470 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(25, 35, 70) }
```



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

```
.border{ border-color:rgb(25, 35, 70) }
```

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

Here you see how a box with a 4 pixel rgb(25, 35, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 35, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 35, 70);  
box-shadow:4px 4px 4px 4px rgb(25, 35, 70)  
}
```

# Background

The CSS property to change the background color of an element to YUV 36.0000, 16.7620, -9.6470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 35, 70) }
```

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

```
.background{ background-color: rgb(25, 35,  
70) }
```

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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