

# Converting Colors

YUV(46.2140, 28.9815, -8.9577)

Have a look what the booklet for  
YUV(46.2140, 28.9815, -8.9577)  
contains.

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# Color

**YUV(46.2140, 28.9815,  
-8.9577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	242869
RGB	36, 40, 105
RGB Percent	14%, 16%, 41%
CMY	0.8588, 0.8431, 0.5882
CMYK	0.66, 0.62, 0.00, 0.59
HSL	237°, 49%, 28%
HSV	237°, 66%, 41%
XYZ	4.0361, 2.9126, 13.7141
YIQ	46.2140, -23.2490, 19.3670

# Conversions

## Conversions Part 2

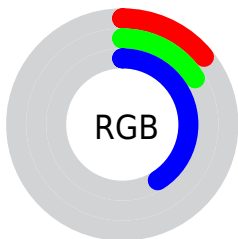
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 40, 105
Decimal	2369641
CIE <sub>Lab</sub>	19.69, 20.60, -38.72
CIE <sub>LCh</sub>	20, 43.859, 298.018
Yxy	2.9126, 0.1953, 0.1410
Android (android.graphics.Color)	4280559721 (0xFF242869)
YUV	46.2140, 28.9815, -8.9577
Hunter-Lab	17.0663, 12.3491, -35.6977

# Details

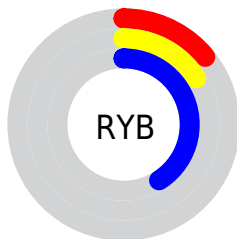
The YUV color **46.2140, 28.9815, -8.9577** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **94.7860, -28.9815, 8.9577**, and the grayscale version is **46.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **94.4040, 30.8598, -4.7393**, and **6.4980, 24.8975, -5.6987** is the 20% darker color. If you saturate the color by 10%, you get **37.3540, 33.3495, -9.9575**, and if you desaturate by 10%, it is **55.3730, 24.4661, -7.3431**.

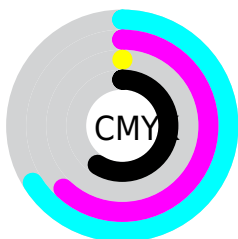
# Distribution



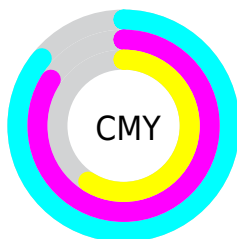
- Red (14%)
- Green (16%)
- Blue (41%)



- Red (14%)
- Yellow (16%)
- Blue (41%)



- Cyan (66%)
- Magenta (62%)
- Yellow (0%)
- Black (59%)



- Cyan (86%)
- Magenta (84%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 46.2140, 28.9815, -8.9577 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 46.2140, 28.9815, -8.9577 by changing the saturation by 10% instead.



■ 46.2140, 28.9815,  
-8.9577

■ 46.2140, 28.9815,  
-8.9577

■ 255.0000, 0.0000,  
0.0000

■ 21.1590, 29.0086,  
-17.6794

■ 94.4040, 30.8598,  
-4.7393

■ 6.4980, 24.8975,  
-5.6987

■ 119.6430, 31.7280,  
-3.1949

■ 5.1640, 14.7091,  
-4.5288

■ 145.8710, 32.6016,  
-3.3949

■ 1.0260, 3.9312,  
-0.8998

■ 172.8110, 33.6172,  
-2.4652

■ 0.0000, 0.0000,  
0.0000

■ 198.6280, 27.7914,  
-0.5508

■ 223.7350, 15.4136,

2.8634

248.5430, 3.1833,  
5.6628

46.2140, 28.9815,  
-8.9577

46.2140, 28.9815,  
-8.9577

37.3540, 33.3495,  
-9.9575

55.3730, 24.4661,  
-7.3431

28.1950, 37.8649,  
-11.5720

64.2330, 20.0981,  
-6.3433

19.3350, 42.2328,  
-12.5718

73.3920, 15.5827,  
-4.7288

15.4920, 44.1274,  
-13.5865

82.2520, 11.2148,  
-3.7290

90.8240, 6.9888,  
-1.5996

■ 99.6840, 2.6208,  
-0.5999

■ 108.8430, -1.8946,  
1.0147

■ 117.7030, -6.2626,  
2.0145

■ 126.8620,  
-10.7780, 3.6290

# Harmonies

## Analogous

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



43.9930, 34.0205, -38.5819



46.2140, 28.9815, -8.9577



45.3180, 18.0842, 33.0471

# Triad

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



46.2140, 28.9815, -8.9577



43.9110, -21.6481, 36.9121



40.9370, 2.0031, -35.9017

# Complementary

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



46.2140, 28.9815, -8.9577



94.7860, -28.9815, 8.9577

# 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.



35.6590, -13.1429, -31.2729



46.2140, 28.9815, -8.9577



45.5400, -22.4512, 14.4354

# Square

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



46.2140, 28.9815, -8.9577



36.8760, -8.3199, 55.3597



40.9670, -20.1967, -8.7411



44.5850, 15.9806, -39.1010



# Rectangle

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



46.2140, 28.9815, -8.9577



37.2450, 12.2042, 52.4051



40.9670, -20.1967, -8.7411



38.9820, -2.9491, -34.1872

# Sweetspot

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



46.2140, 28.9815, -8.9577



114.3660, 11.6516, -3.8290



83.7990, 7.9871, -41.9197



54.5250, 7.1362, -2.2144



196.0000, 0.0000, 0.0000



69.0000, 0.0000, 0.0000



# Same Dimension

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



46.2140, 28.9815, -8.9577



44.9480, 45.8746, -13.9864



52.8360, 25.7169, 11.5448



49.2710, 2.3314, -1.1147



17.4470, 49.0796, -15.3010



36.1480, 102.9640, -31.7018



# Inverse Universe

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



57.0870, -8.4239, 42.0197



62.2750, -13.4466, 66.4108



88.1640, -25.7169, -11.5448



49.9080, -0.4476, 3.5887



35.7810, -14.1890, 71.2291

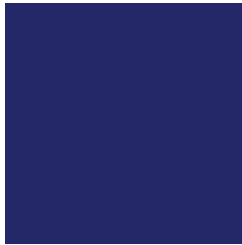


74.8510, -29.9995, 149.2207



# Previews

## White Background



This preview shows how the YUV color 46.2140, 28.9815, -8.9577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

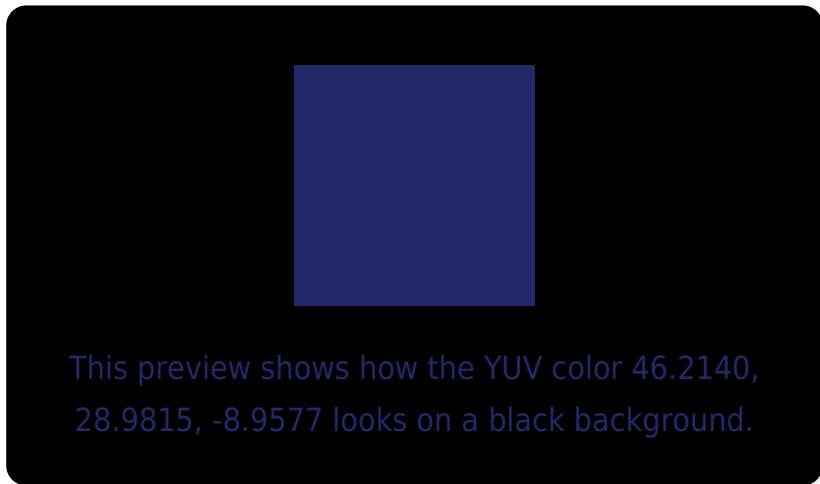
Any Text WCAG AA ✓ Pass

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

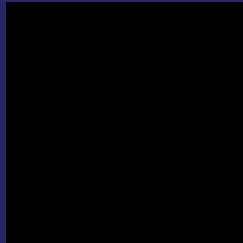
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YUV 46.2140, 28.9815, -8.9577**

## **Background**



This preview shows how black text looks on a background with the YUV color 46.2140, 28.9815, -8.9577.



This preview shows how white text looks on a background with the YUV color 46.2140, 28.9815,

-8.9577.

# 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

46.2140, 28.9815, -8.9577

### Protanopia

38.1740, 29.4942, -33.4786

### Deuteranopia

38.3390, 22.5109, -33.6233



## Tritanopia

37.6090, 9.5598, -32.9831

# Trichromacy



## Original Color

46.2140, 28.9815, -8.9577

## Protanomaly

41.2290, 29.4671, -24.7568

## Deuteranomaly

41.3770, 24.9571, -24.8866

## Tritanomaly

40.4990, 16.5160, -24.1166

# Monochromacy



## Original Color

46.2140, 28.9815, -8.9577

## Achromatopsia

46.0000, 0.0000, 0.0000

## Achromatomaly

46.0240, 10.3412, -3.5290

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 46.2140, 28.9815, -8.9577 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(36, 40, 105)` looks like.

```
.text, #text, p{  
    color:rgb(36, 40, 105)  
}
```

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(36, 40, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 40, 105) }
```

## Border

The CSS property to change the border of an element to YUV 46.2140, 28.9815, -8.9577 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(36, 40, 105) }
```



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

```
.border{ border-color:rgb(36, 40, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 40, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 40, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 40, 105);  
box-shadow:4px 4px 4px 4px rgb(36, 40,  
105) }
```

# Background

The CSS property to change the background color of an element to YUV 46.2140, 28.9815, -8.9577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 40, 105) }
```

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

```
.background{ background-color: rgb(36, 40,  
105) }
```

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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