

# Converting Colors

YUV(23.4820, 39.2024,  
-20.5937)

Have a look what the booklet for  
YUV(23.4820, 39.2024, -20.5937)  
contains.

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# Color

**YUV(23.4820, 39.2024,  
-20.5937)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	001467
RGB	0, 20, 103
RGB Percent	0%, 8%, 40%
CMY	1.0000, 0.9216, 0.5961
CMYK	1.00, 0.81, 0.00, 0.60
HSL	228°, 100%, 20%
HSV	228°, 100%, 40%
XYZ	2.6983, 1.4796, 12.9753
YIQ	23.4820, -38.5630, 21.5730

# Conversions

## Conversions Part 2

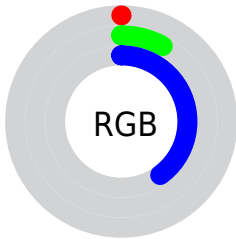
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 17, 103
Decimal	5223
CIELab	12.48, 29.78, -49.32
CIELCh	12, 57.615, 301.125
Yxy	1.4796, 0.1573, 0.0863
Android (android.graphics.Color)	4278195303 (0xFF001467)
YUV	23.4820, 39.2024, -20.5937
Hunter-Lab	12.1638, 18.3105, -54.7309

# Details

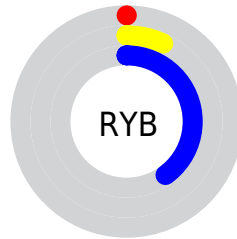
The YUV color **23.4820, 39.2024, -20.5937** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **79.5180, -39.2024, 20.5937**, and the grayscale version is **23.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **75.8800, 39.0062, -4.2798**, and **9.2050, 22.5769, -8.0728** is the 20% darker color. If you saturate the color by 10%, you get **23.4820, 39.2024, -20.5937**, and if you desaturate by 10%, it is **31.1680, 35.4132, -18.5643**.

# Distribution



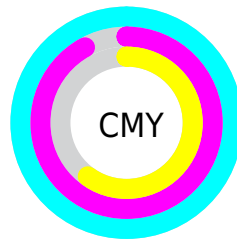
- Red (0%)
- Green (8%)
- Blue (40%)



- Red (0%)
- Yellow (7%)
- Blue (40%)



- Cyan (100%)
- Magenta (81%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (92%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 23.4820, 39.2024, -20.5937 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 23.4820, 39.2024, -20.5937 by changing the saturation by 10% instead.



■ 23.4820, 39.2024,  
-20.5937

■ 23.4820, 39.2024,  
-20.5937

■ 250.3040, 2.3151,  
4.1184

■ 8.8920, 34.0702,  
-7.7983

■ 75.8800, 39.0062,  
-4.2798

■ 9.2050, 22.5769,  
-8.0728

■ 101.4180, 39.7269,  
-2.1206

■ 4.8220, 13.3988,  
-4.2289

■ 127.0700, 40.8845,  
-0.0614

■ 0.5700, 2.1840,  
-0.4999

■ 153.7110, 42.0475,  
0.2535

■ 0.0000, 0.0000,  
0.0000

■ 179.4680, 37.2373,  
3.0976

■ 203.9880, 25.1489,

7.0265

■ 229.0950, 12.7712,  
10.4407

■ 23.4820, 39.2024,  
-20.5937

■ 31.1680, 35.4132,  
-18.5643

■ 39.7400, 31.1872,  
-16.4350

■ 47.4260, 27.3980,  
-14.4056

■ 55.1120, 23.6088,  
-12.3762

■ 63.0970, 19.6722,  
-9.7321

■ 71.3700, 15.5936,  
-8.2175

■ 79.0560, 11.8044,  
-6.1881

■ 86.7420, 8.0152,  
-4.1587

■ 95.3140, 3.7892,  
-2.0294

# Harmonies

## Analogous

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



36.0030, 38.9455, -31.5746



23.4820, 39.2024, -20.5937



31.2310, 20.0991, 40.1394

# Triad

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



23.4820, 39.2024, -20.5937



26.2130, -12.9230, 38.4012



31.3510, 0.8130, -27.4948

# Complementary

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



23.4820, 39.2024, -20.5937



79.5180, -39.2024, 20.5937

# 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.



27.0020, -13.3120, -23.6808



23.4820, 39.2024, -20.5937



30.7440, -15.1568, 8.1175

# Square

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



23.4820, 39.2024, -20.5937



26.9100, -13.2666, 55.3299



24.0670, -11.8650, -21.1068



36.6120, 18.4323, -32.1087



# Rectangle

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



23.4820, 39.2024, -20.5937



32.7520, 6.5313, 51.9605



24.0670, -11.8650, -21.1068



29.7550, -5.3022, -26.0951

# Sweetspot

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



23.4820, 39.2024, -20.5937



103.6690, 15.4462, -7.6027



69.8090, 6.0102, -61.2225



49.7850, 9.4730, -5.0734



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.



23.4820, 39.2024, -20.5937



30.6520, 51.4436, -26.8818



21.0110, 40.4206, 8.7604



47.1570, 1.8946, -1.0147



26.0240, 43.8652, -22.8230



55.1770, 92.1037, -48.3902



# Inverse Universe

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



33.0770, -6.4470, 61.3225



43.3290, -8.5432, 80.3955



81.9890, -40.4206, -8.7604



47.6090, -0.3002, 2.9739



36.8930, -7.3422, 68.4998

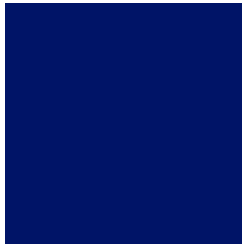


77.7160, -15.1430, 144.0771



# Previews

## White Background



This preview shows how the YUV color 23.4820, 39.2024, -20.5937 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 23.4820, 39.2024, -20.5937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

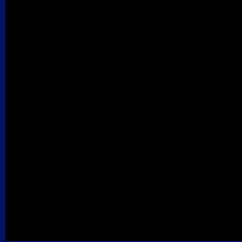
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 23.4820, 39.2024, -20.5937

## Background



This preview shows how black text looks on a background with the YUV color 23.4820, 39.2024, -20.5937.



This preview shows how white text looks on a background with the YUV color 23.4820, 39.2024,



# 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

23.4820, 39.2024, -20.5937

### Protanopia

27.3510, 21.0260, -23.9868

### Deuteranopia

27.9720, 15.7898, -24.5314



## Tritanopia

27.4530, 6.1857, -24.0763

# Trichromacy



## Original Color

23.4820, 39.2024, -20.5937

## Protanomaly

25.7840, 27.7145, -22.6126

## Deuteranomaly

26.2740, 24.5149, -23.0423

## Tritanomaly

25.9660, 18.2578, -22.7722

# Monochromacy



## Original Color

23.4820, 39.2024, -20.5937

## Achromatopsia

23.0000, 0.0000, 0.0000

## Achromatomaly

23.3270, 14.1358, -7.3028

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 23.4820, 39.2024, -20.5937 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, 20, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 20, 103)  
}
```

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, 20, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 20, 103) }
```

## Border

The CSS property to change the border of an element to YUV 23.4820, 39.2024, -20.5937 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, 20, 103) }
```



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

```
.border{ border-color:rgb(0, 20, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 20, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 20, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 20, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 20, 103)  
}
```

# Background

The CSS property to change the background color of an element to YUV 23.4820, 39.2024, -20.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 20, 103) }
```

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

```
.background{ background-color: rgb(0, 20,  
103) }
```

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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