

# Converting Colors

YIQ(23.2490, 4.0330, 9.5130)

Have a look what the booklet for  
YIQ(23.2490, 4.0330, 9.5130)  
contains.

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**Color**

**YIQ(23.2490, 4.0330, 9.5130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	211023
RGB	33, 16, 35
RGB Percent	13%, 6%, 14%
CMY	0.8705, 0.9373, 0.8627
CMYK	0.06, 0.54, 0.00, 0.86
HSL	294°, 37%, 10%
HSV	294°, 54%, 14%
XYZ	1.1162, 0.8153, 1.6887
YIQ	23.2490, 4.0330, 9.5130

# Conversions

## Conversions Part 2

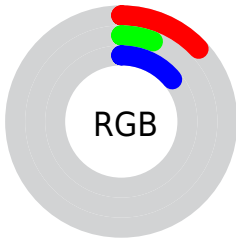
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 16, 35
Decimal	2166819
CIE Lab	7.36, 12.94, -9.59
CIE LCh	7, 16.109, 323.454
Yxy	0.8153, 0.3083, 0.2252
Android (android.graphics.Color)	4280356899 (0xFF211023)
YUV	23.2490, 5.7932, 8.5516
Hunter-Lab	9.0293, 6.2648, -4.7680

# Details

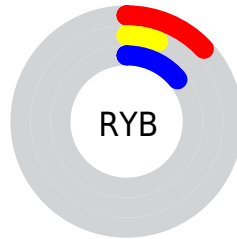
The YIQ color **23.2490, 4.0330, 9.5130** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **27.7510, -4.0330, -9.5130**, and the grayscale version is **23.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **66.3740, 5.1790, 10.7710**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **20.9010, 5.1330, 11.6050**, and if you desaturate by 10%, it is **25.0100, 3.2080, 7.9440**.

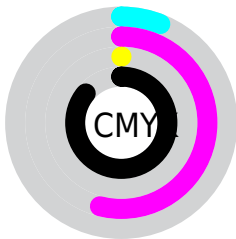
# Distribution



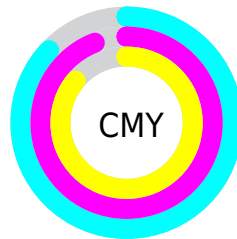
- Red (13%)
- Green (6%)
- Blue (14%)



- Red (13%)
- Yellow (6%)
- Blue (14%)



- Cyan (6%)
- Magenta (54%)
- Yellow (0%)
- Black (86%)



- Cyan (87%)
- Magenta (94%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 23.2490, 4.0330, 9.5130 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 YIQ color 23.2490, 4.0330, 9.5130 by changing the saturation by 10% instead.



■ 23.2490, 4.0330,  
9.5130

■ 23.2490, 4.0330,  
9.5130

■ 246.1950, 4.1250,  
7.8450

■ 1.3680, -3.8520,  
3.7320

■ 66.3740, 5.1790,  
10.7710

■ 0.0000, 0.0000,  
0.0000

■ 89.9010, 5.1330,  
11.6050

■ 114.9010, 5.1330,  
11.6050


■ 140.3140, 5.4080,  
12.1280


■ 166.6130, 6.0040,  
12.3400


■ 194.0260, 6.2790,


12.8630


 221.4390, 6.5540,  
13.3860

 23.2490, 4.0330,  
9.5130


 23.2490, 4.0330,  
9.5130


 20.9010, 5.1330,  
11.6050


 25.0100, 3.2080,  
7.9440


 18.8410, 5.3620,  
12.9620


 27.6570, 2.7040,  
6.0640

 16.4930, 6.4620,  
15.0540

 29.4180, 1.8790,  
4.4950

 14.7320, 7.2870,  
16.6230

 31.7660, 0.7790,  
2.4030

 13.2590, 7.2410,  
17.4570

 33.8260, 0.5500,  
1.0460

■ 36.1740, -0.5500,  
-1.0460

■ 38.2340, -0.7790,  
-2.4030

■ 40.5820, -1.8790,  
-4.4950

■ 42.3430, -2.7040,  
-6.0640

# Harmonies

## Analogous

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



22.2090, -7.6580, 6.6300



23.2490, 4.0330, 9.5130



22.4410, 12.2400, 9.4560

# Triad

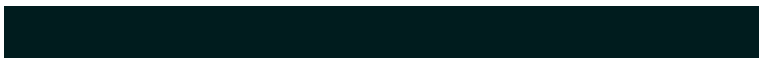
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.2490, 4.0330, 9.5130



21.5960, 12.7010, -4.4110



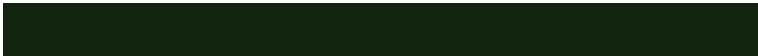
19.8560, -17.3300, -5.3140

# Complementary

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



23.2490, 4.0330, 9.5130



27.7510, -4.0330, -9.5130

# 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.



18.6020, -13.7990, -8.7350



23.2490, 4.0330, 9.5130



20.3670, 5.9160, -8.1000

# Square

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



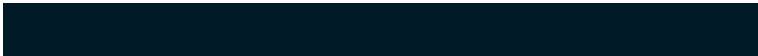
23.2490, 4.0330, 9.5130



21.6400, 18.5690, -0.6230



17.3870, -6.0040, -12.3400



20.2950, -19.9440, -1.9920



# Rectangle

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



23.2490, 4.0330, 9.5130



22.1270, 16.0000, 7.3920



17.3870, -6.0040, -12.3400



20.1010, -16.6420, -6.7700

# Sweetspot

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



23.2490, 4.0330, 9.5130



41.5920, 1.3290, 3.4490



19.3400, -6.6490, 4.8630



20.3530, 0.5040, 1.8800



150.0000, -0.0000, -0.0000



23.0000, 0.0000, -0.0000



# Same Dimension

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



23.2490, 4.0330, 9.5130



27.4930, 6.4620, 15.0540



23.0490, 7.4720, 7.7600



16.8260, 0.5500, 1.0460



31.1750, 17.1860, 40.9780



79.7390, 44.3630, 104.6430



# Inverse Universe

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



21.9090, 10.6820, 4.6500



25.3120, 16.9170, 7.2930



27.9510, -7.4720, -7.7600



16.5980, 1.1920, 0.4240



25.5440, 45.9830, 20.1830

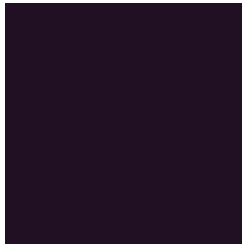


64.9990, 117.5020, 51.1500



# Previews

## White Background



This preview shows how the YIQ color 23.2490, 4.0330, 9.5130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

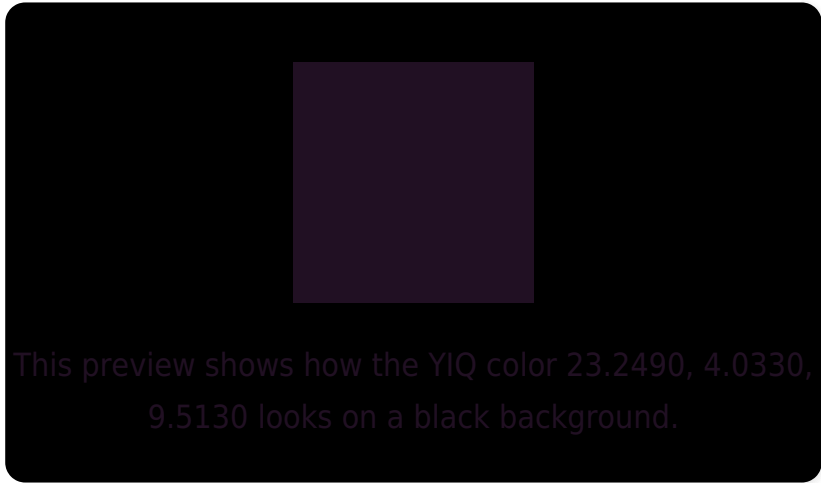
Any Text WCAG AA ✓ Pass

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](#).

**YIQ 23.2490, 4.0330, 9.5130**

## **Background**



This preview shows how black text looks on a background with the YIQ color 23.2490, 4.0330, 9.5130.



This preview shows how white text looks on a background with the YIQ color 23.2490, 4.0330, 9.5130.

# 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

23.2490, 4.0330, 9.5130

### Protanopia

21.7740, -10.8670, 4.2130

### Deuteranopia

22.7590, -6.5110, 2.3610



## Tritanopia

23.4030, 6.2350, 2.6430

# Trichromacy



## Original Color

23.2490, 4.0330, 9.5130

## Protanomaly

22.4650, -5.5030, 6.1210

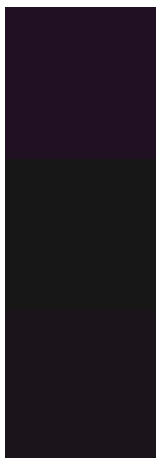
## Deuteranomaly

22.4930, -2.7060, 4.9900

## Tritanomaly

23.6850, 5.5010, 4.9330

# Monochromacy



## Original Color

23.2490, 4.0330, 9.5130

## Achromatopsia

23.0000, 0.0000, -0.0000

## Achromatomaly

22.8910, 1.9250, 3.6610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 23.2490, 4.0330, 9.5130 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(33, 16, 35)` looks like.

```
.text, #text, p{  
    color:rgb(33, 16, 35)  
}
```

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(33, 16, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 16, 35) }
```

## Border

The CSS property to change the border of an element to YIQ 23.2490, 4.0330, 9.5130 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(33, 16, 35) }
```

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

```
.border{ border-color:rgb(33, 16, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 16, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 16, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 16, 35);  
box-shadow:4px 4px 4px 4px rgb(33, 16, 35)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 23.2490, 4.0330, 9.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 16, 35) }
```

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

```
.background{ background-color: rgb(33, 16,  
35) }
```

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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