

# Converting Colors

YIQ(23.3290, -50.5330, 40.2750)

Have a look what the booklet for  
YIQ(23.3290, -50.5330, 40.2750)  
contains.

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# Color

**YIQ(23.3290, -50.5330,  
40.2750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	000B94
RGB	0, 11, 148
RGB Percent	0%, 4%, 58%
CMY	0.9999, 0.9569, 0.4199
CMYK	1.00, 0.93, 0.00, 0.42
HSL	236°, 100%, 29%
HSV	236°, 100%, 58%
XYZ	5.4590, 2.3752, 28.1553
YIQ	23.3290, -50.5330, 40.2750

# Conversions

## Conversions Part 2

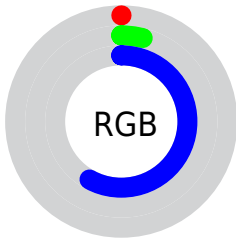
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 10, 148
Decimal	2964
CIELab	17.34, 49.19, -69.93
CIELCh	17, 85.494, 305.123
Yxy	2.3752, 0.1517, 0.0660
Android (android.graphics.Color)	4278193044 (0xFF000B94)
YUV	23.3290, 61.4628, -20.4595
Hunter-Lab	15.4117, 36.2567, -97.5275

# Details

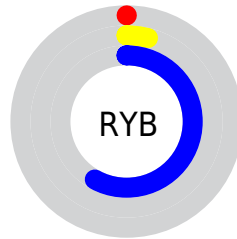
The YIQ color **23.3290, -50.5330, 40.2750** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **124.6710, 50.5330, -40.2750**, and the grayscale version is **23.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **85.2610, -29.4900, 49.8860**, and **10.9440, -30.8160, 29.8560** is the 20% darker color. If you saturate the color by 10%, you get **23.3290, -50.5330, 40.2750**, and if you desaturate by 10%, it is **36.0320, -45.4430, 36.1330**.

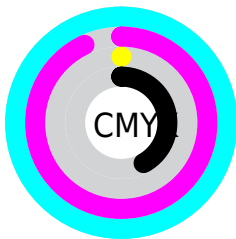
# Distribution



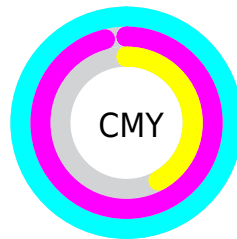
- Red (0%)
- Green (4%)
- Blue (58%)



- Red (0%)
- Yellow (4%)
- Blue (58%)



- Cyan (100%)
- Magenta (93%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (96%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 23.3290, -50.5330, 40.2750 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 23.3290, -50.5330, 40.2750 by changing the saturation by 10% instead.



■ 23.3290, -50.5330,  
40.2750

■ 23.3290, -50.5330,  
40.2750

■ 250.8910, 1.9250,  
3.6610

■ 13.7940, -38.8410,  
37.6310

■ 85.2610, -29.4900,  
49.8860

■ 10.9440, -30.8160,  
29.8560

■ 111.9240,  
-26.9230, 52.9250

■ 12.7900, -24.9910,  
17.8970

■ 138.7780,  
-23.5760, 52.8400

■ 7.7060, -16.1870,  
12.5250

■ 162.7110,  
-13.4420, 45.3900

■ 3.5510, -8.6210,  
7.5630

■ 186.9430, -2.7120,  
38.1520

■ 0.0000, 0.0000,  
0.0000

■ 212.3490, 7.4680,

29.8680

■ 233.8680, 9.9000,  
18.8280

■ 23.3290, -50.5330,  
40.2750

■ 36.0320, -45.4430,  
36.1330

■ 48.1480, -40.0780,  
32.5140

■ 60.5520, -35.5840,  
28.1600

■ 73.2550, -30.4940,  
24.0180

■ 85.3710, -25.1290,  
20.3990

■ 98.0740, -20.0390,  
16.2570

■ 110.7770,  
-14.9490, 12.1150

■ 123.1810,  
-10.4550, 7.7610

■ 135.2970, -5.0900,  
4.1420

# Harmonies

## Analogous

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



50.7190, -69.7870, 25.7730



23.3290, -50.5330, 40.2750



45.6280, 38.3200, 54.4480

# Triad

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



23.3290, -50.5330, 40.2750



31.0300, 53.1820, 16.3660



41.7350, -33.4670, -15.7310

# Complementary

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



23.3290, -50.5330, 40.2750



124.6710, 50.5330, -40.2750

# 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.



35.2200, -16.5000, -31.3800



23.3290, -50.5330, 40.2750



39.5710, 13.8490, -14.2070

# Square

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



23.3290, -50.5330, 40.2750



37.3750, 74.5000, 26.5000



32.2850, -15.1250, -28.7650



50.0910, -54.2400, 2.8160



# Rectangle

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



23.3290, -50.5330, 40.2750



46.7490, 62.4840, 46.0360



32.2850, -15.1250, -28.7650



38.7540, -26.4510, -21.7390

# Sweetspot

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



23.3290, -50.5330, 40.2750



142.8460, -19.3970, 15.6350



102.3800, -84.3560, -35.1080



67.7510, -12.0600, 9.3160



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



23.3290, -50.5330, 40.2750



29.9920, -65.1610, 52.0790



35.4100, -10.5560, 59.1720



67.7980, -2.2470, 2.1770



21.6020, -47.0480, 37.6880



1.7270, -3.4850, 2.5870



# Inverse Universe

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



45.5060, 84.6770, 34.7970



58.7050, 109.3420, 44.8460



112.5900, 10.5560, -59.1720



69.0930, 4.1720, 1.4840



42.4020, 79.0380, 32.3660

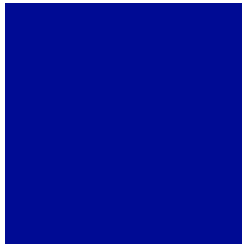


3.1040, 5.6390, 2.4310



# Previews

## White Background



This preview shows how the YIQ color 23.3290, -50.5330, 40.2750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

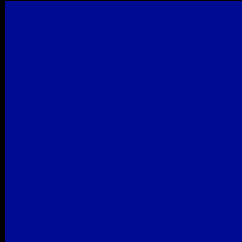
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 23.3290, -50.5330, 40.2750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

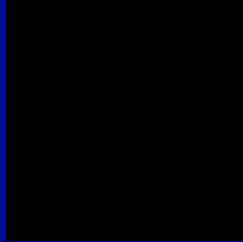
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 23.3290, -50.5330, 40.2750

## Background



This preview shows how black text looks on a background with the YIQ color 23.3290, -50.5330, 40.2750.



This preview shows how white text looks on a background with the YIQ color 23.3290, -50.5330,



# 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

23.3290, -50.5330, 40.2750

### Deuteranopia

36.4810, -37.9630, -0.3230

### Tritanopia

35.3920, -30.7630, -9.6670

# Trichromacy



## Original Color

23.3290, -50.5330, 40.2750

## Deuteranomaly

31.7000, -42.4130, 14.2510

## Tritanomaly

31.1640, -38.1480, 8.5400

# Monochromacy



## Original Color

23.3290, -50.5330, 40.2750

## Achromatopsia

23.0000, 0.0000, -0.0000

## Achromatomaly

23.3900, -18.1130, 14.3910

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 23.3290, -50.5330, 40.2750 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, 11, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 11, 148)  
}
```

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, 11, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 11, 148) }
```

## Border

The CSS property to change the border of an element to YIQ 23.3290, -50.5330, 40.2750 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, 11, 148) }
```

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

```
.border{ border-color:rgb(0, 11, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 11, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 11, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 11, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 11, 148)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 23.3290, -50.5330, 40.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 11, 148) }
```

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

```
.background{ background-color: rgb(0, 11,  
148) }
```

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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