

# Converting Colors

YIQ(24.0630, -37.5600, 52.9680)

Have a look what the booklet for  
YIQ(24.0630, -37.5600, 52.9680)  
contains.

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# Color

**YIQ(24.0630, -37.5600,  
52.9680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	15009C
RGB	21, 0, 156
RGB Percent	8%, 0%, 61%
CMY	0.9174, 1.0000, 0.3885
CMYK	0.86, 1.00, 0.00, 0.39
HSL	248°, 100%, 31%
HSV	248°, 100%, 61%
XYZ	6.3050, 2.5578, 31.5833
YIQ	24.0630, -37.5600, 52.9680

# Conversions

## Conversions Part 2

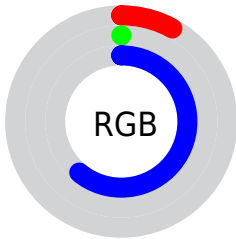
<b>Format</b>	<b>Color</b>
<b>RYB</b>	21, 0, 156
Decimal	1376412
CIELab	18.18, 55.08, -73.46
CIELCh	18, 91.822, 306.863
Yxy	2.5578, 0.1559, 0.0632
Android (android.graphics.Color)	4279566492 (0xFF15009C)
YUV	24.0630, 65.0449, -2.6863
Hunter-Lab	15.9931, 42.3820, -105.8909

# Details

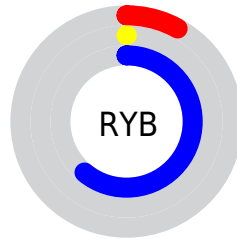
The YIQ color **24.0630, -37.5600, 52.9680** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **131.9370, 37.5600, -52.9680**, and the grayscale version is **23.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **86.6300, -25.9150, 56.6850**, and **11.7420, -33.0630, 32.0330** is the 20% darker color. If you saturate the color by 10%, you get **24.0630, -37.5600, 52.9680**, and if you desaturate by 10%, it is **37.6410, -33.6160, 47.5680**.

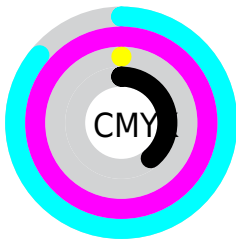
# Distribution



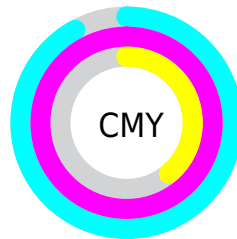
- Red (8%)
- Green (0%)
- Blue (61%)



- Red (8%)
- Yellow (0%)
- Blue (61%)



- Cyan (86%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)



- Cyan (92%)
- Magenta (100%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 24.0630, -37.5600, 52.9680 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 24.0630, -37.5600, 52.9680 by changing the saturation by 10% instead.



■ 24.0630, -37.5600,  
52.9680

■ 24.0630, -37.5600,  
52.9680

■ 249.7170, 2.4750,  
4.7070

■ 14.7060, -41.4090,  
40.1190

■ 86.6300, -25.9150,  
56.6850

■ 11.7420, -33.0630,  
32.0330

■ 113.8800,  
-23.6230, 59.2010

■ 13.0010, -26.9630,  
20.5970

■ 139.7080,  
-17.3870, 56.3170

■ 9.0910, -18.7090,  
14.1790

■ 163.9400, -6.6570,  
49.0790

■ 4.8220, -10.8220,  
8.9060

■ 188.7590, 3.7980,  
41.3180

■ 0.3420, -0.9630,  
0.9330

■ 214.4640, 14.5740,

■ 0.0000, 0.0000,

33.2460

0.0000

■ 232.6940, 10.4500,  
19.8740

■ 24.0630, -37.5600,  
52.9680

■ 37.6410, -33.6160,  
47.5680

■ 50.3330, -29.9930,  
42.4790

■ 63.9110, -26.0490,  
37.0790

■ 76.6030, -22.4260,  
31.9900

■ 89.8820, -19.0780,  
26.3780

■ 103.4600,  
-15.1340, 20.9780

■ 116.1520,  
-11.5110, 15.8890

■ 129.7300, -7.5670,  
10.4890

■ 142.4220, -3.9440,  
5.4000

# Harmonies

## Analogous

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



53.3750, -74.5100, 28.7700



24.0630, -37.5600, 52.9680



48.8460, 43.6380, 57.1900

# Triad

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



24.0630, -37.5600, 52.9680



32.8020, 53.8240, 15.7440



43.7070, -36.2640, -14.6000

# Complementary

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



24.0630, -37.5600, 52.9680



131.9370, 37.5600, -52.9680

# 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.



36.3940, -17.0500, -32.4260



24.0630, -37.5600, 52.9680



40.7340, 11.8320, -16.2000

# Square

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



24.0630, -37.5600, 52.9680



39.1690, 78.0760, 27.7720



34.0460, -15.9500, -30.3340



53.1060, -58.5960, 4.6680



# Rectangle

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



24.0630, -37.5600, 52.9680



49.3260, 68.1690, 47.6330



34.0460, -15.9500, -30.3340



40.4980, -28.6060, -21.2300

# Sweetspot

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



24.0630, -37.5600, 52.9680



150.2320, -14.4920, 20.3560



97.0290, -87.2010, -22.0890



70.7130, -8.8970, 12.5670



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



24.0630, -37.5600, 52.9680



30.9870, -48.4290, 68.2350



47.3850, 8.9280, 69.5040



72.2110, -1.9720, 2.7000



21.9830, -34.5790, 48.5010



2.3080, -3.6230, 5.0890



# Inverse Universe

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



62.0340, 49.6410, 75.0570



79.9350, 63.9420, 96.7260



108.6150, -8.9280, -69.5040



74.1900, 2.5210, 3.8730



56.8930, 45.4240, 68.8800

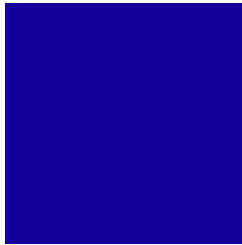


5.9670, 4.7670, 7.2230



# Previews

## White Background



This preview shows how the YIQ color 24.0630, -37.5600, 52.9680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

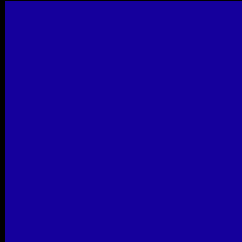
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 24.0630, -37.5600, 52.9680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

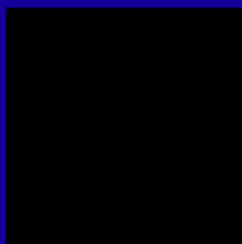
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 24.0630, -37.5600, 52.9680**

## **Background**



This preview shows how black text looks on a background with the YIQ color 24.0630, -37.5600, 52.9680.



This preview shows how white text looks on a background with the YIQ color 24.0630, -37.5600,



# 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

24.0630, -37.5600, 52.9680

### Protanopia

38.0600, -43.7870, 6.1090

### Deuteranopia

38.1110, -39.7970, -0.1250



## Tritanopia

37.4950, -32.5510, -10.3030

# Trichromacy



## Original Color

24.0630, -37.5600, 52.9680

## Protanomaly

32.8670, -41.0850, 23.2270

## Deuteranomaly

33.0150, -38.7460, 19.3820

## Tritanomaly

32.8380, -34.1140, 12.5260

# Monochromacy



## Original Color

24.0630, -37.5600, 52.9680

## Achromatopsia

24.0000, -0.0000, 0.0000

## Achromatomaly

23.8900, -13.5290, 19.4230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 24.0630, -37.5600, 52.9680 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(21, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(21, 0, 156)  
}
```

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(21, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 0, 156) }
```

## Border

The CSS property to change the border of an element to YIQ 24.0630, -37.5600, 52.9680 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(21, 0, 156) }
```



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

```
.border{ border-color:rgb(21, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(21, 0, 156)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 24.0630, -37.5600, 52.9680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 0, 156) }
```

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

```
.background{ background-color: rgb(21, 0,  
156) }
```

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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