

# Converting Colors

YIQ(39.5370, -57.5910, 25.0090)

Have a look what the booklet for  
YIQ(39.5370, -57.5910, 25.0090)  
contains.

<b>YIQ(39.5370, -57.5910, 25.0090)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	30

# Color

**YIQ(39.5370, -57.5910,  
25.0090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	002792
RGB	0, 39, 146
RGB Percent	0%, 15%, 57%
CMY	0.9999, 0.8470, 0.4278
CMYK	1.00, 0.73, 0.00, 0.43
HSL	224°, 100%, 29%
HSV	224°, 100%, 57%
XYZ	5.9082, 3.5250, 27.5307
YIQ	39.5370, -57.5910, 25.0090

# Conversions

## Conversions Part 2

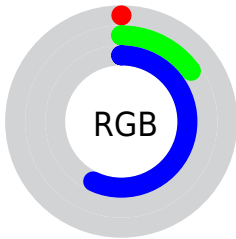
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 31, 146
Decimal	10130
CIELab	22.03, 34.12, -60.89
CIELCh	22, 69.802, 299.266
Yxy	3.5250, 0.1598, 0.0954
Android (android.graphics.Color)	4278200210 (0xFF002792)
YUV	39.5370, 52.4863, -34.6739
Hunter-Lab	18.7749, 23.3151, -73.7977

# Details

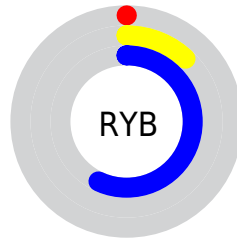
The YIQ color **39.5370, -57.5910, 25.0090** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **106.4630, 57.5910, -25.0090**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **97.6370, -36.9610, 36.5990**, and **10.7160, -30.1740, 29.2340** is the 20% darker color. If you saturate the color by 10%, you get **39.5370, -57.5910, 25.0090**, and if you desaturate by 10%, it is **50.4790, -51.6760, 22.4360**.

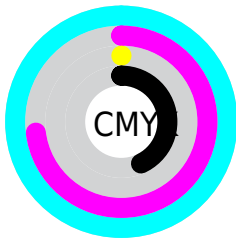
# Distribution



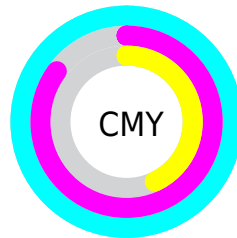
- Red (0%)
- Green (15%)
- Blue (57%)



- Red (0%)
- Yellow (12%)
- Blue (57%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (85%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 39.5370, -57.5910, 25.0090 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 39.5370, -57.5910, 25.0090 by changing the saturation by 10% instead.



■ 39.5370, -57.5910,  
25.0090

■ 39.5370, -57.5910,  
25.0090

■ 255.0000, -0.0000,  
-0.0000

■ 24.8330, -43.7450,  
27.3830

■ 97.6370, -36.9610,  
36.5990

■ 10.7160, -30.1740,  
29.2340

■ 124.5880,  
-35.2650, 38.9030

■ 12.5620, -24.3490,  
17.2750

■ 150.7840,  
-32.8810, 39.7510

■ 7.5920, -15.8660,  
12.2140

■ 174.7170,  
-22.7470, 32.3010

■ 3.3230, -7.9790,  
6.9410

■ 199.5360,  
-12.2920, 24.5400

■ 0.0000, 0.0000,  
0.0000

■ 224.6430, -2.7080,

16.0440

■ 248.5430, 3.0250,  
5.7530

■ 39.5370, -57.5910,  
25.0090

■ 50.4790, -51.6760,  
22.4360

■ 60.5350, -46.0820,  
20.1740

■ 71.4770, -40.1670,  
17.6010

■ 82.1200, -34.8480,  
14.8160

■ 92.4750, -28.6580,  
12.7660

■ 103.4170,  
-22.7430, 10.1930

■ 114.0600,  
-17.4240, 7.4080

■ 125.0020,  
-11.5090, 4.8350

■ 135.0580, -5.9150,  
2.5730

# Harmonies

## Analogous

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



54.6340, -68.4100, 17.3340



39.5370, -57.5910, 25.0090



44.7890, 30.6170, 56.3850

# Triad

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



39.5370, -57.5910, 25.0090



43.7220, 56.8050, 11.2770



46.7900, -35.3000, -21.0600

# Complementary

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



39.5370, -57.5910, 25.0090



106.4630, 57.5910, -25.0090

# 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.



39.9160, -18.7000, -35.5640



39.5370, -57.5910, 25.0090



49.9700, 25.9070, -12.4690

# Square

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



39.5370, -57.5910, 25.0090



39.0980, 76.8380, 28.1820



36.9810, -17.3250, -32.9490



53.4190, -52.5880, -5.1000



# Rectangle

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



39.5370, -57.5910, 25.0090



47.3060, 53.7260, 50.5740



36.9810, -17.3250, -32.9490



44.7380, -29.5220, -26.6580

# Sweetspot

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



39.5370, -57.5910, 25.0090



147.3030, -22.4220, 9.8820



97.6720, -73.8550, -43.7030



69.1590, -13.3890, 5.8670



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



39.5370, -57.5910, 25.0090



50.8960, -74.4190, 32.6290



26.2120, -27.7940, 52.1900



68.9720, -2.7970, 1.1310



37.4510, -54.4730, 23.5670



2.9010, -4.0350, 1.5410



# Inverse Universe

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



48.1000, 74.4970, 43.0810



62.2110, 96.5940, 55.6180



119.7880, 27.7940, -52.1900



69.3210, 3.5300, 2.1060



45.4800, 70.3710, 40.7630



3.3320, 4.9970, 3.0530



# Previews

## White Background



This preview shows how the YIQ color 39.5370, -57.5910, 25.0090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

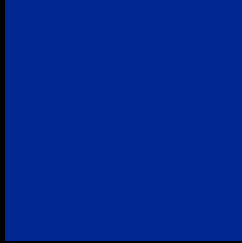
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 39.5370, -57.5910, 25.0090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

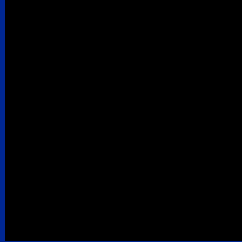
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 39.5370, -57.5910, 25.0090

## Background



This preview shows how black text looks on a background with the YIQ color 39.5370, -57.5910, 25.0090.



This preview shows how white text looks on a background with the YIQ color 39.5370, -57.5910,



# 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

39.5370, -57.5910, 25.0090

### Deuteranopia

42.8870, -44.9780, 0.1580

### Tritanopia

42.4020, -36.7230, -11.7870

# Trichromacy



## Original Color

39.5370, -57.5910, 25.0090

## Deuteranomaly

41.5310, -49.4270, 9.2050

## Tritanomaly

41.1260, -44.1530, 1.7270

# Monochromacy



## Original Color

39.5370, -57.5910, 25.0090

## Achromatopsia

40.0000, 0.0000, -0.0000

## Achromatomaly

39.9610, -21.4590, 8.9490

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 39.5370, -57.5910, 25.0090 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, 39, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 39, 146)  
}
```

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, 39, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 39, 146) }
```

## Border

The CSS property to change the border of an element to YIQ 39.5370, -57.5910, 25.0090 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, 39, 146) }
```

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

```
.border{ border-color:rgb(0, 39, 146) }
```

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

Here you see how a box with a 4 pixel rgb(0, 39, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 39, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 39, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 39, 146)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 39.5370, -57.5910, 25.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 39, 146) }
```

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

```
.background{ background-color: rgb(0, 39,  
146) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor