

# Converting Colors

YIQ(44.3180, -53.1410, 10.4350)

Have a look what the booklet for  
YIQ(44.3180, -53.1410, 10.4350)  
contains.

<b>YIQ(44.3180, -53.1410, 10.4350)</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> .....	31

# Color

**YIQ(44.3180, -53.1410,  
10.4350)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	003479
RGB	0, 52, 121
RGB Percent	0%, 20%, 47%
CMY	0.9999, 0.7960, 0.5258
CMYK	1.00, 0.57, 0.00, 0.53
HSL	214°, 100%, 24%
HSV	214°, 100%, 47%
XYZ	4.6760, 3.8368, 18.5616
YIQ	44.3180, -53.1410, 10.4350

# Conversions

## Conversions Part 2

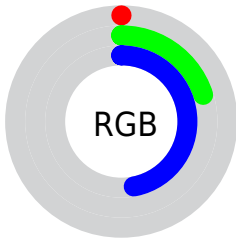
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 36, 121
Decimal	13433
CIELab	23.12, 14.57, -43.44
CIELCh	23, 45.819, 288.543
Yxy	3.8368, 0.1727, 0.1417
Android (android.graphics.Color)	4278203513 (0xFF003479)
YUV	44.3180, 37.8042, -38.8669
Hunter-Lab	19.5877, 8.3336, -42.4728

# Details

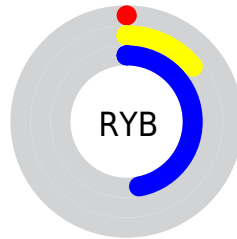
The YIQ color **44.3180, -53.1410, 10.4350** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **76.6820, 53.1410, -10.4350**, and the grayscale version is **44.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **99.7870, -38.1040, 18.7600**, and **12.9040, -25.3120, 18.2080** is the 20% darker color. If you saturate the color by 10%, you get **44.3180, -53.1410, 10.4350**, and if you desaturate by 10%, it is **52.0150, -47.9140, 9.3180**.

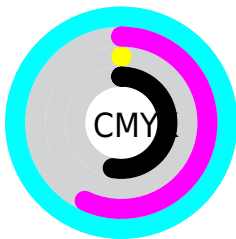
# Distribution



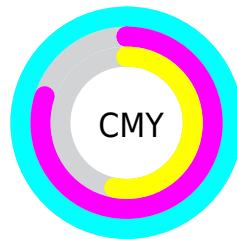
- Red (0%)
- Green (20%)
- Blue (47%)



- Red (0%)
- Yellow (14%)
- Blue (47%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (80%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 44.3180, -53.1410, 10.4350 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 44.3180, -53.1410, 10.4350 by changing the saturation by 10% instead.



■ 44.3180, -53.1410,  
10.4350

■ 44.3180, -53.1410,  
10.4350

■ 255.0000, -0.0000,  
-0.0000

■ 29.1410, -39.3410,  
13.6430

■ 99.7870, -38.1040,  
18.7600

■ 12.7900, -24.9910,  
17.8970

■ 125.4390,  
-37.0040, 20.8520

■ 7.8200, -16.5080,  
12.8360

■ 152.2650,  
-36.4540, 21.8980

■ 3.5510, -8.6210,  
7.5630

■ 179.3360,  
-35.2160, 21.4880

■ 0.0000, 0.0000,  
0.0000

■ 203.5570,  
-25.9530, 13.3030

■ 228.6640,

-16.3690, 4.8070

■ 252.3090, -5.3640,  
-1.9080

■ 44.3180, -53.1410,  
10.4350

■ 52.0150, -47.9140,  
9.3180

■ 59.7120, -42.6870,  
8.2010

■ 67.4090, -37.4600,  
7.0840

■ 75.1060, -32.2330,  
5.9670

■ 82.2160, -26.7310,  
5.3730

■ 90.2120, -20.9080,  
4.4680

■ 97.9090, -15.6810,  
3.3510

■ 105.6060,  
-10.4540, 2.2340

■ 113.3030, -5.2270,  
1.1170

# Harmonies

## Analogous

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



51.0030, -56.8080, 5.3040



44.3180, -53.1410, 10.4350



55.9900, 7.1010, 31.0130

# Triad

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



44.3180, -53.1410, 10.4350



49.2820, 51.9920, 4.8880



45.0630, -31.8150, -23.6470

# Complementary

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



44.3180, -53.1410, 10.4350



76.6820, 53.1410, -10.4350

# 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.



38.8560, -18.4710, -34.2070



44.3180, -53.1410, 10.4350



52.6830, 34.2050, -8.6670

# Square

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



44.3180, -53.1410, 10.4350



42.5870, 53.5920, 30.9680



49.8710, 12.7040, -20.9920



49.7540, -43.6460, -12.9740



# Rectangle

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



44.3180, -53.1410, 10.4350



50.2980, 29.8410, 37.4010



49.8710, 12.7040, -20.9920



43.1080, -27.6880, -26.8560

# Sweetspot

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



44.3180, -53.1410, 10.4350



128.0980, -20.5870, 4.1570



78.8930, -55.4240, -41.8240



61.2360, -12.2880, 2.4320



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



44.3180, -53.1410, 10.4350



57.9280, -69.4180, 13.5740



16.1860, -34.0730, 39.3270



57.4450, -2.7510, 0.2970



45.9480, -54.9750, 10.6330



92.7110, -110.8670, 21.3650



# Inverse Universe

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



42.1070, 55.4240, 41.8240



54.9940, 72.3400, 54.6440



104.8140, 34.0730, -39.3270



57.1360, 2.6130, 2.2050



43.5310, 57.1660, 43.2940



87.7740, 115.2030, 87.3230



# Previews

## White Background



This preview shows how the YIQ color 44.3180, -53.1410, 10.4350 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 44.3180, -53.1410, 10.4350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

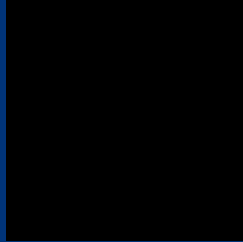
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 44.3180, -53.1410, 10.4350

## Background



This preview shows how black text looks on a background with the YIQ color 44.3180, -53.1410, 10.4350.



This preview shows how white text looks on a background with the YIQ color 44.3180, -53.1410,



# 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

44.3180, -53.1410, 10.4350

### Protanopia

44.6940, -51.4440, 7.2120

### Deuteranopia

44.6310, -47.1330, 0.6670



## Tritanopia

43.9180, -38.2360, -11.9000

# Trichromacy



## Original Color

44.3180, -53.1410, 10.4350

## Protanomaly

44.4490, -52.1320, 8.6680

## Deuteranomaly

44.3690, -49.1510, 4.2010

## Tritanomaly

43.8500, -43.5560, -3.5880

# Monochromacy



## Original Color

44.3180, -53.1410, 10.4350

## Achromatopsia

44.0000, -0.0000, -0.0000

## Achromatomaly

44.1690, -19.3490, 3.7470

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 44.3180, -53.1410, 10.4350 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, 52, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 52, 121)  
}
```

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, 52, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 52, 121) }
```

## Border

The CSS property to change the border of an element to YIQ 44.3180, -53.1410, 10.4350 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, 52, 121) }
```



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

```
.border{ border-color:rgb(0, 52, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 52, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 52, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 52, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 52, 121)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 44.3180, -53.1410, 10.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 52, 121) }
```

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

```
.background{ background-color: rgb(0, 52,  
121) }
```

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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