

# Converting Colors

YIQ(45.1170, -39.9340, -3.1500)

Have a look what the booklet for  
YIQ(45.1170, -39.9340, -3.1500)  
contains.

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# Color

**YIQ(45.1170, -39.9340,  
-3.1500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	053A54
RGB	5, 58, 84
RGB Percent	2%, 23%, 33%
CMY	0.9805, 0.7725, 0.6708
CMYK	0.94, 0.31, 0.00, 0.67
HSL	200°, 89%, 17%
HSV	200°, 94%, 33%
XYZ	3.1749, 3.6998, 8.9250
YIQ	45.1170, -39.9340, -3.1500

# Conversions

## Conversions Part 2

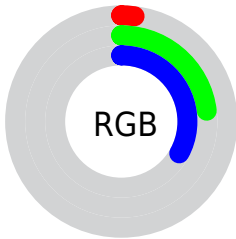
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	5, 37, 84
Decimal	342612
CIE <sub>Lab</sub>	22.65, -5.58, -20.24
CIE <sub>LCh</sub>	23, 20.991, 254.580
Yxy	3.6998, 0.2009, 0.2342
Android (android.graphics.Color)	4278532692 (0xFF053A54)
<b>YUV</b>	45.1170, 19.1693, -35.1826
Hunter-Lab	19.2349, -4.1984, -14.0459

# Details

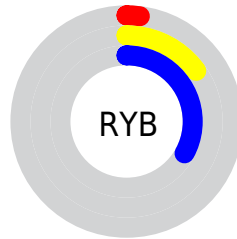
The YIQ color **45.1170, -39.9340, -3.1500** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **43.8830, 39.9340, 3.1500**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.3460, -33.1490, 0.5390**, and **13.2510, -16.6440, 4.2840** is the 20% darker color. If you saturate the color by 10%, you get **42.4480, -42.3640, -3.1640**, and if you desaturate by 10%, it is **49.2700, -35.9910, -3.0230**.

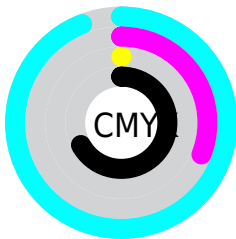
# Distribution



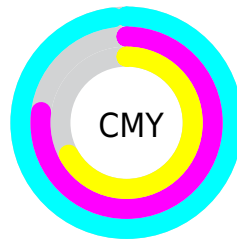
- Red (2%)
- Green (23%)
- Blue (33%)



- Red (2%)
- Yellow (15%)
- Blue (33%)



- Cyan (94%)
- Magenta (31%)
- Yellow (0%)
- Black (67%)



- Cyan (98%)
- Magenta (77%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 45.1170, -39.9340, -3.1500 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 45.1170, -39.9340, -3.1500 by changing the saturation by 10% instead.



■ 45.1170, -39.9340,  
-3.1500

■ 45.1170, -39.9340,  
-3.1500

■ 255.0000, -0.0000,  
-0.0000

■ 28.6730, -29.7560,  
-0.3800

■ 96.3460, -33.1490,  
0.5390

■ 13.2510, -16.6440,  
4.2840

■ 121.7590,  
-32.8740, 1.0620

■ 2.5250, -5.7320,  
4.7640

■ 147.8730,  
-33.1950, 1.3730


■ 0.0000, 0.0000,  
0.0000


■ 174.9870,  
-33.5160, 1.6840


■ 202.6880,  
-34.1120, 1.4720


■ 228.8640,


-28.9760, -3.5040


 246.9270,  
-16.0920, -5.7240


 45.1170, -39.9340,  
-3.1500


 45.1170, -39.9340,  
-3.1500


 42.4480, -42.3640,  
-3.1640

 49.2700, -35.9910,  
-3.0230

 53.7220, -31.4520,  
-2.6840

 57.2880, -27.2340,  
-2.0340

 61.7400, -22.6950,  
-1.6950

 65.8930, -18.7520,  
-1.5680

■ 70.0460, -14.8090,  
-1.4410

■ 73.9110, -9.9950,  
-0.5790

■ 78.0640, -6.0520,  
-0.4520

■ 82.5160, -1.5130,  
-0.1130

# Harmonies

## Analogous

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



44.4710, -41.1710, -8.2670



45.1170, -39.9340, -3.1500



53.2450, -16.5070, 7.3090

# Triad

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



45.1170, -39.9340, -3.1500



54.5410, 23.7020, 10.9820



49.8280, -2.9320, -12.9480

# Complementary

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



45.1170, -39.9340, -3.1500



43.8830, 39.9340, 3.1500

# 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.



52.2380, 10.5930, -10.2630



45.1170, -39.9340, -3.1500



54.0970, 24.7120, 3.6880

# Square

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



45.1170, -39.9340, -3.1500



55.4570, 15.3110, 14.3750



53.3150, 20.8620, -3.6340



46.0090, -22.5550, -15.2510



# Rectangle

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



45.1170, -39.9340, -3.1500



55.5240, -3.9910, 11.7610



53.3150, 20.8620, -3.6340



50.6930, 1.8820, -12.0860

# Sweetspot

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



45.1170, -39.9340, -3.1500



94.8610, -15.7260, -1.3420



54.2230, -29.7500, -33.5420



46.7970, -9.6740, -0.8900



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



45.1170, -39.9340, -3.1500



55.9780, -55.6600, -4.4920



22.2240, -29.2090, 17.2470



38.6300, -1.8340, 0.1980



53.0600, -52.9550, -3.9550



118.0200, -117.3720, -9.4360



# Inverse Universe

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



34.6630, 30.0710, 33.2310



41.3260, 41.8060, 46.3340



66.1890, 29.4840, -16.7240



38.4240, 1.7420, 1.4700



39.3750, 40.1100, 44.0300



87.1520, 88.1960, 97.7000



# Previews

## White Background



This preview shows how the YIQ color 45.1170, -39.9340, -3.1500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

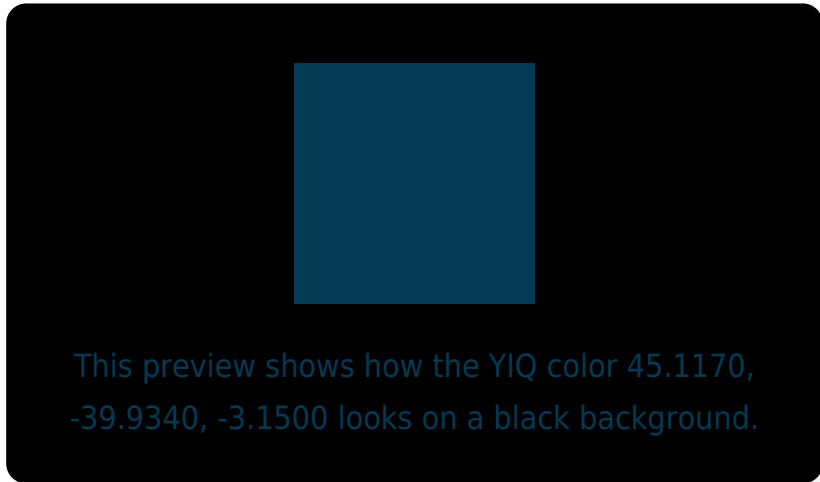
Any Text WCAG AA ✓ Pass

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

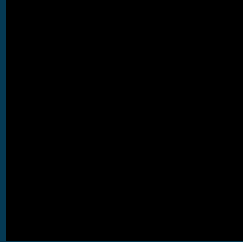
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 45.1170, -39.9340, -3.1500

## Background



This preview shows how black text looks on a background with the YIQ color 45.1170, -39.9340, -3.1500.



This preview shows how white text looks on a background with the YIQ color 45.1170, -39.9340,

-3.1500.

# 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

45.1170, -39.9340, -3.1500

### Protanopia

54.5720, -13.1140, 6.3900

### Deuteranopia

53.0490, -18.8910, 6.4610



## Tritanopia

43.2170, -37.6400, -11.6880

# Trichromacy



## Original Color

45.1170, -39.9340, -3.1500

## Protanomaly

50.7880, -22.6500, 2.9980

## Deuteranomaly

50.0480, -26.3180, 3.3940

## Tritanomaly

44.0260, -38.4200, -8.5640

# Monochromacy



## Original Color

45.1170, -39.9340, -3.1500

## Achromatopsia

45.0000, -0.0000, -0.0000

## Achromatomaly

45.0460, -14.8090, -1.4410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 45.1170, -39.9340, -3.1500 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(5, 58, 84)` looks like.

```
.text, #text, p{  
    color:rgb(5, 58, 84)  
}
```

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(5, 58, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 58, 84) }
```

## Border

The CSS property to change the border of an element to YIQ 45.1170, -39.9340, -3.1500 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(5, 58, 84) }
```



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

```
.border{ border-color:rgb(5, 58, 84) }
```

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

Here you see how a box with a 4 pixel rgb(5, 58, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 58, 84); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 58, 84); box-shadow:4px  
4px 4px 4px rgb(5, 58, 84) }
```

# Background

The CSS property to change the background color of an element to YIQ 45.1170, -39.9340, -3.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 58, 84) }
```

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

```
.background{ background-color: rgb(5, 58,  
84) }
```

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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