

# Converting Colors

YIQ(40.3940, -4.4590, 64.3170)

Have a look what the booklet for  
YIQ(40.3940, -4.4590, 64.3170)  
contains.

<b>YIQ(40.3940, -4.4590, 64.3170)</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(40.3940, -4.4590,  
64.3170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C009B
RGB	76, 0, 155
RGB Percent	30%, 0%, 61%
CMY	0.7017, 1.0000, 0.3923
CMYK	0.51, 1.00, 0.00, 0.39
HSL	269°, 100%, 30%
HSV	269°, 100%, 61%
XYZ	8.8996, 3.9048, 31.2795
YIQ	40.3940, -4.4590, 64.3170

# Conversions

## Conversions Part 2

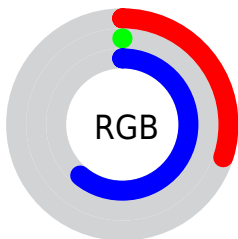
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 0, 155
Decimal	4980891
CIE <sub>Lab</sub>	23.35, 57.42, -64.11
CIE <sub>LCh</sub>	23, 86.065, 311.845
Yxy	3.9048, 0.2019, 0.0886
Android (android.graphics.Color)	4283170971 (0xFF4C009B)
YUV	40.3940, 56.5008, 31.2265
Hunter-Lab	19.7605, 45.8103, -80.0196

# Details

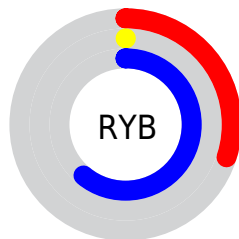
The YIQ color **40.3940, -4.4590, 64.3170** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **114.6060, 4.4590, -64.3170**, and the grayscale version is **40.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **101.6880, -5.4670, 60.5570**, and **11.9270, -32.1460, 31.9340** is the 20% darker color. If you saturate the color by 10%, you get **40.3940, -4.4590, 64.3170**, and if you desaturate by 10%, it is **51.5910, -3.8160, 58.1680**.

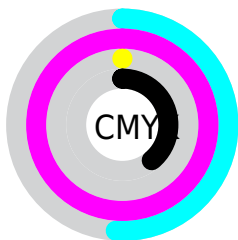
# Distribution



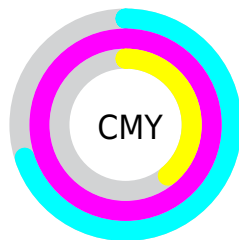
- Red (30%)
- Green (0%)
- Blue (61%)



- Red (30%)
- Yellow (0%)
- Blue (61%)



- Cyan (51%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)



- Cyan (70%)
- Magenta (100%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 40.3940, -4.4590, 64.3170 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 40.3940, -4.4590, 64.3170 by changing the saturation by 10% instead.



40.3940, -4.4590,  
64.3170

40.3940, -4.4590,  
64.3170

255.0000, -0.0000,  
-0.0000

28.0470, -14.2680,  
49.3480

101.6880, -5.4670,  
60.5570

11.9270, -32.1460,  
31.9340

128.8130, -4.3210,  
61.8150

8.7780, -24.7170,  
23.9470

155.1570, 0.4020,  
58.8180

8.9770, -18.3880,  
13.8680

179.9760, 10.8570,  
51.0570

4.7080, -10.5010,  
8.5950

204.7950, 21.3120,  
43.2960

0.2280, -0.6420,  
0.6220

222.1280, 15.4000,

0.0000, 0.0000,

29.2880

0.0000

■ 239.1510, 7.4250,  
14.1210

■ 40.3940, -4.4590,  
64.3170

■ 51.5910, -3.8160,  
58.1680

■ 63.3750, -3.4480,  
51.4960

■ 74.5720, -2.8050,  
45.3470

■ 86.3560, -2.4370,  
38.6750

■ 97.5530, -1.7940,  
32.5260

■ 109.0380, -2.0220,  
25.6420

■ 120.2350, -1.3790,  
19.4930

■ 132.0190, -1.0110,  
12.8210

■ 143.2160, -0.3680,  
6.6720

# Harmonies

## Analogous

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



56.6520, -76.8480, 27.0880



40.3940, -4.4590, 64.3170



53.8150, 54.0910, 60.4830

# Triad

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



40.3940, -4.4590, 64.3170



51.0320, 49.7000, 2.3720



53.8460, -46.9010, -14.5570

# Complementary

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



40.3940, -4.4590, 64.3170



114.6060, 4.4590, -64.3170

# 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.



44.2360, -22.5970, -36.5250



40.3940, -4.4590, 64.3170



49.2620, 10.0450, -22.3630

# Square

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



40.3940, -4.4590, 64.3170



41.2620, 82.2480, 29.2560



41.6770, -19.5250, -37.1330



62.0880, -67.3530, 3.6790



# Rectangle

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



40.3940, -4.4590, 64.3170



52.9140, 75.3210, 50.1770



41.6770, -19.5250, -37.1330



51.2240, -39.5180, -21.7100

# Sweetspot

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



40.3940, -4.4590, 64.3170



156.8100, -1.3800, 25.0200



64.6300, -71.7550, 6.3650



74.6000, -1.1490, 15.3230



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.



40.3940, -4.4590, 64.3170



52.5150, -5.5170, 83.4990



63.1180, 40.8370, 80.4290



71.1080, -0.1840, 3.3360



36.5910, -3.8160, 58.1680



3.2760, -0.5970, 5.3150



# Inverse Universe

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



55.3510, 67.0210, 57.4290



71.8410, 86.7330, 74.6450



91.8820, -40.8370, -80.4290



71.8480, 3.4840, 2.9400



49.9540, 60.6490, 51.7610

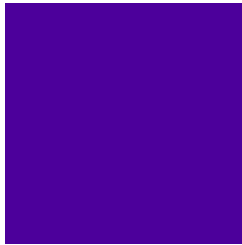


4.5710, 5.8220, 4.6220



# Previews

## White Background



This preview shows how the YIQ color 40.3940, -4.4590, 64.3170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

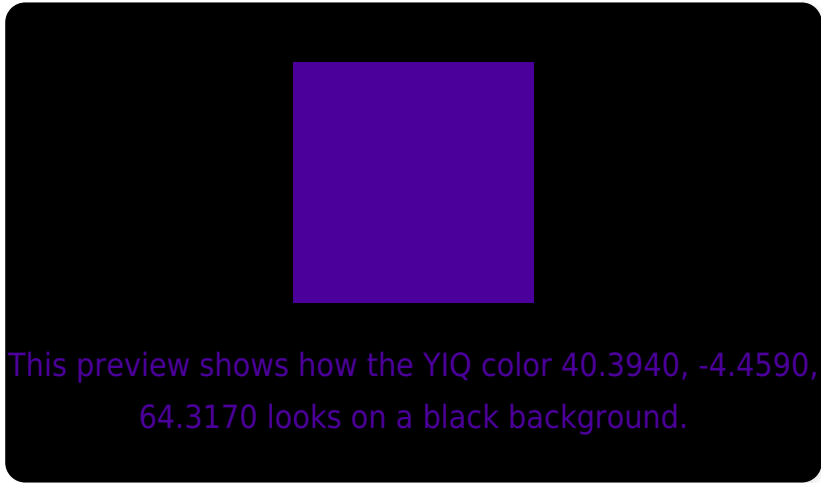
Any Text WCAG AA ✓ Pass

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

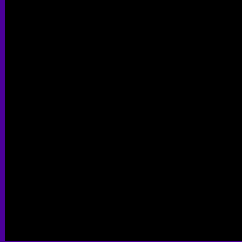
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 40.3940, -4.4590, 64.3170**

## **Background**



This preview shows how black text looks on a background with the YIQ color 40.3940, -4.4590, 64.3170.



This preview shows how white text looks on a background with the YIQ color 40.3940, -4.4590,



# 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

40.3940, -4.4590, 64.3170

### Protanopia

47.0250, -53.8740, 7.1980

### Deuteranopia

47.4350, -49.5170, -0.1810



## Tritanopia

57.5800, -7.5650, -0.5650

# Trichromacy



## Original Color

40.3940, -4.4590, 64.3170

## Protanomaly

44.5520, -35.5840, 28.1600

## Deuteranomaly

45.0590, -32.8780, 23.1700

## Tritanomaly

51.1190, -6.7440, 23.1120

# Monochromacy



## Original Color

40.3940, -4.4590, 64.3170

## Achromatopsia

40.0000, 0.0000, -0.0000

## Achromatomaly

39.8700, -1.6090, 23.6630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 40.3940, -4.4590, 64.3170 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(76, 0, 155)` looks like.

```
.text, #text, p{  
    color:rgb(76, 0, 155)  
}
```

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(76, 0, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 0, 155) }
```

## Border

The CSS property to change the border of an element to YIQ 40.3940, -4.4590, 64.3170 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(76, 0, 155) }
```



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

```
.border{ border-color:rgb(76, 0, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 0, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(76, 0, 155)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 40.3940, -4.4590, 64.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 0, 155) }
```

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

```
.background{ background-color: rgb(76, 0,  
155) }
```

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