

Converting Colors

YIQ(39.8740, -16.6000, 14.5040)

Have a look what the booklet for
YIQ(39.8740, -16.6000, 14.5040)
contains.

YIQ(39.8740, -16.6000, 14.5040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(39.8740, -16.6000,
14.5040)**

Conversions

Conversions Part 1

Format	Color
Hex	212353
RGB	33, 35, 83
RGB Percent	13%, 14%, 33%
CMY	0.8706, 0.8627, 0.6746
CMYK	0.60, 0.58, 0.00, 0.67
HSL	238°, 43%, 23%
HSV	238°, 60%, 33%
XYZ	2.7888, 2.1497, 8.4462
YIQ	39.8740, -16.6000, 14.5040

Conversions

Conversions Part 2

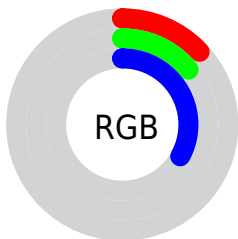
Format	Color
R_{YB}	33, 35, 83
Decimal	2171731
CIE _{Lab}	16.25, 15.19, -29.69
CIE _{LCh}	16, 33.347, 297.098
Yxy	2.1497, 0.2084, 0.1606
Android (android.graphics.Color)	4280361811 (0xFF212353)
YUV	39.8740, 21.2611, -6.0285
Hunter-Lab	14.6618, 8.2938, -23.8920

Details

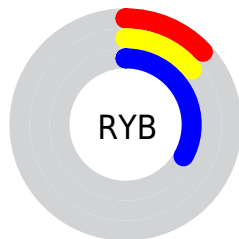
The YIQ color **39.8740, -16.6000, 14.5040** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **76.1260, 16.6000, -14.5040**, and the grayscale version is **40.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **86.0530, -15.5460, 17.4300**, and **5.3920, -12.4270, 10.4610** is the 20% darker color. If you saturate the color by 10%, you get **32.7860, -19.1680, 16.9920**, and if you desaturate by 10%, it is **46.9620, -14.0320, 12.0160**.

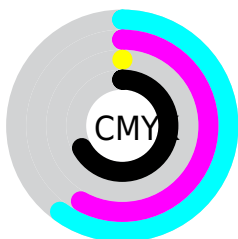
Distribution



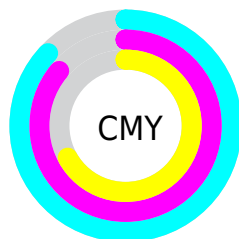
- Red (13%)
- Green (14%)
- Blue (33%)



- Red (13%)
- Yellow (14%)
- Blue (33%)



- Cyan (60%)
- Magenta (58%)
- Yellow (0%)
- Black (67%)



- Cyan (87%)
- Magenta (86%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 39.8740, -16.6000, 14.5040 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 39.8740, -16.6000, 14.5040 by changing the saturation by 10% instead.

■ 39.8740, -16.6000,
14.5040

■ 39.8740, -16.6000,
14.5040

■ 255.0000, -0.0000,
-0.0000

■ 17.4390, -19.8090,
12.0870

■ 86.0530, -15.5460,
17.4300

■ 5.3920, -12.4270,
10.4610

■ 110.8790,
-14.9960, 18.4760

■ 2.1830, -4.7690,
3.8310

■ 136.4060,
-15.0420, 19.3100

■ 0.0000, 0.0000,
0.0000

■ 162.9330,
-15.0880, 20.1440

■ 190.1610,
-15.7300, 20.7660

■ 216.3370,

-10.5940, 15.7900

241.4440, -1.0100,
7.2940

39.8740, -16.6000,
14.5040

39.8740, -16.6000,
14.5040

32.7860, -19.1680,
16.9920

46.9620, -14.0320,
12.0160

25.3990, -22.3320,
19.2680

54.3490, -10.8680,
9.7400

18.3110, -24.9000,
21.7560

61.4370, -8.3000,
7.2520

11.2230, -27.4680,
24.2440

68.5250, -5.7320,
4.7640

75.6130, -3.1640,
2.2760

■ 83.0000, -0.0000,
0.0000

■ 90.0880, 2.5680,
-2.4880

■ 97.1760, 5.1360,
-4.9760

■ 104.5630, 8.3000,
-7.2520

Harmonies

Analogous

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



35.8600, -40.3480, 4.3560



39.8740, -16.6000, 14.5040



40.1720, 12.1000, 23.0120

Triad

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



39.8740, -16.6000, 14.5040



37.6650, 34.6160, 0.4080



34.1550, -25.9020, -15.1660

Complementary

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



39.8740, -16.6000, 14.5040



76.1260, 16.6000, -14.5040

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.



30.1310, -17.3270, -21.8950



39.8740, -16.6000, 14.5040



38.1530, 21.1380, -8.6380

Square

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



39.8740, -16.6000, 14.5040



35.5920, 36.8600, 14.8120



35.6840, 6.1010, -16.9630



36.8910, -33.6060, -7.7020

Rectangle

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



39.8740, -16.6000, 14.5040



37.1690, 25.3500, 25.1740



35.6840, 6.1010, -16.9630



32.6560, -23.0590, -17.1310

Sweetspot

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



39.8740, -16.6000, 14.5040



90.7530, -6.3740, 5.3860



67.7080, -28.8370, -11.5330



43.3680, -3.8520, 3.7320



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



39.8740, -16.6000, 14.5040



40.5390, -25.5420, 22.3780



45.2780, -2.9380, 20.2140



37.4560, -1.2840, 1.2440



14.3180, -34.8050, 30.5630



31.7310, -76.9470, 67.4450

Inverse Universe

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



48.1780, 29.1580, 11.2220



53.3650, 44.9290, 17.2570



70.4230, 2.3420, -20.4260



38.1960, 2.3840, 0.8480



31.8510, 61.2960, 23.5040



70.3940, 135.3830, 51.9830

Previews

White Background



This preview shows how the YIQ color 39.8740, -16.6000, 14.5040 looks on a white background.

Color Contrast Check

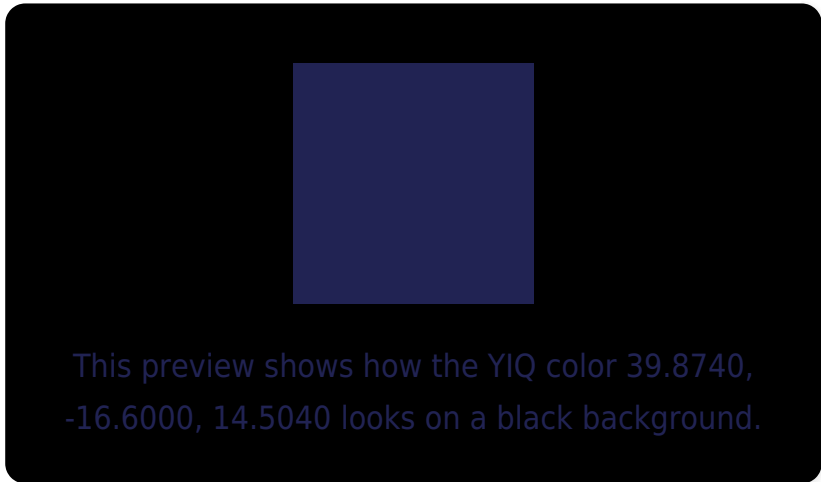
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.8740, -16.6000, 14.5040

Background



This preview shows how black text looks on a background with the YIQ color 39.8740, -16.6000, 14.5040.



This preview shows how white text looks on a background with the YIQ color 39.8740, -16.6000,

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

39.8740, -16.6000, 14.5040

Protanopia

32.3550, -37.3680, 5.4160

Deuteranopia

32.8620, -34.6620, 0.4260



Tritanopia

36.3830, -17.3760, -4.4800

Trichromacy



Original Color

39.8740, -16.6000, 14.5040

Protanomaly

35.3560, -29.9410, 8.4830

Deuteranomaly

35.1450, -27.9690, 5.7830

Tritanomaly

37.8980, -17.1480, 2.4040

Monochromacy



Original Color

39.8740, -16.6000, 14.5040

Achromatopsia

40.0000, 0.0000, -0.0000

Achromatomaly

39.7530, -6.3740, 5.3860

CSS Examples

Text

The CSS property to change the color of the text to YIQ 39.8740, -16.6000, 14.5040 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(33, 35, 83)` looks like.

```
.text, #text, p{  
    color:rgb(33, 35, 83)  
}
```

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(33, 35, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 35, 83) }
```

Border

The CSS property to change the border of an element to YIQ 39.8740, -16.6000, 14.5040 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(33, 35, 83) }
```


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

```
.border{ border-color:rgb(33, 35, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 35, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 35, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 35, 83);  
box-shadow:4px 4px 4px 4px rgb(33, 35, 83)  
}
```

Background

The CSS property to change the background color of an element to YIQ 39.8740, -16.6000, 14.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 35, 83) }
```

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

```
.background{ background-color: rgb(33, 35,  
83) }
```

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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