

# Converting Colors

YIQ(41.6140, -14.0730,  
-14.7850)

Have a look what the booklet for  
YIQ(41.6140, -14.0730, -14.7850)  
contains.

<b>YIQ(41.6140, -14.0730, -14.7850)</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(41.6140, -14.0730,  
-14.7850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	133720
RGB	19, 55, 32
RGB Percent	7%, 22%, 13%
CMY	0.9256, 0.7842, 0.8745
CMYK	0.66, 0.00, 0.42, 0.78
HSL	142°, 49%, 15%
HSV	142°, 66%, 22%
XYZ	1.8955, 2.9762, 1.8404
YIQ	41.6140, -14.0730, -14.7850

# Conversions

## Conversions Part 2

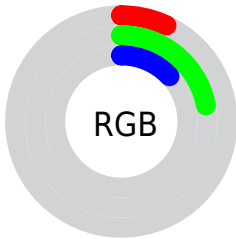
Format	Color
<a href="#">RYB</a>	<a href="#">19, 45, 55</a>
Decimal	<a href="#">1259296</a>
CIELab	<a href="#">19.95, -19.36, 10.65</a>
CIELCh	<a href="#">20, 22.096, 151.175</a>
Yxy	<a href="#">2.9762, 0.2824, 0.4434</a>
Android (android.graphics.Color)	<a href="#">4279449376 (0xFF133720)</a>
YUV	<a href="#">41.6140, -4.7397, -19.8325</a>
Hunter-Lab	<a href="#">17.2518, -10.5778, 5.7513</a>

# Details

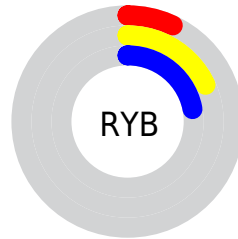
The YIQ color **41.6140, -14.0730, -14.7850** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **32.3860, 14.0730, 14.7850**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **87.9730, -13.7060, -15.9300**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **39.3640, -16.3650, -17.3010**, and if you desaturate by 10%, it is **43.5650, -12.3770, -12.4810**.

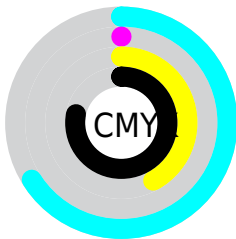
# Distribution



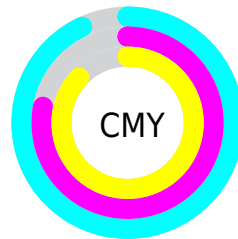
- Red (7%)
- Green (22%)
- Blue (13%)



- Red (7%)
- Yellow (18%)
- Blue (22%)



- Cyan (66%)
- Magenta (0%)
- Yellow (42%)
- Black (78%)



- Cyan (93%)
- Magenta (78%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 41.6140, -14.0730, -14.7850 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 41.6140, -14.0730, -14.7850 by changing the saturation by 10% instead.



■ 41.6140, -14.0730,  
-14.7850

■ 41.6140, -14.0730,  
-14.7850

■ 254.1030, -1.7880,  
-0.6360

■ 20.9840, -12.2390,  
-14.9830

■ 87.9730, -13.7060,  
-15.9300

■ 0.0000, 0.0000,  
0.0000

■ 112.8590,  
-13.3850, -16.2410


■ 139.0330,  
-13.9350, -17.2870


■ 165.0330,  
-13.9350, -17.2870


■ 192.3210,  
-14.8060, -18.0220


■ 220.2070,


-14.4850, -18.3330


 242.9240,  
-12.0100, -13.6260


 41.6140, -14.0730,  
-14.7850


 41.6140, -14.0730,  
-14.7850


 39.3640, -16.3650,  
-17.3010


 43.5650, -12.3770,  
-12.4810


 37.5270, -18.3820,  
-19.2940


 45.7010, -9.7640,  
-10.2760

 35.2770, -20.6740,  
-21.8100

 47.6520, -8.0680,  
-7.9720

 34.5650, -21.5450,  
-22.5450

 49.7880, -5.4550,  
-5.7670

 51.7390, -3.7590,  
-3.4630

■ 53.8750, -1.1460,  
-1.2580

■ 55.8260, 0.5500,  
1.0460

■ 57.9620, 3.1630,  
3.2510

■ 59.9130, 4.8590,  
5.5550

# Harmonies

## Analogous

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



44.6500, 3.4410, -12.8070



41.6140, -14.0730, -14.7850



38.3440, -30.8080, -14.3600

# Triad

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



41.6140, -14.0730, -14.7850



44.1510, -28.1060, 2.7580



47.8030, 25.7200, 7.4480

# Complementary

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



41.6140, -14.0730, -14.7850



32.3860, 14.0730, 14.7850

# 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.



48.4530, 21.1340, 13.4700



41.6140, -14.0730, -14.7850



49.4420, -6.6960, 11.2240

# Square

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



41.6140, -14.0730, -14.7850



40.3620, -39.2460, -4.6060



50.2330, 10.1300, 14.6580



47.8640, 23.7500, -0.9060



# Rectangle

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



41.6140, -14.0730, -14.7850



39.5980, -34.3390, -10.9390



50.2330, 10.1300, 14.6580



48.0850, 24.9860, 9.7380

# Sweetspot

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



41.6140, -14.0730, -14.7850



65.7880, -5.4550, -5.7670



47.0090, 3.8080, -13.9520



32.6250, -3.4380, -3.7740



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000



# Same Dimension

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



41.6140, -14.0730, -14.7850



50.1520, -21.8200, -23.0680



43.6660, -19.8510, -9.1870



26.8750, -1.1460, -1.2580



57.7660, -35.8930, -37.8530



137.5590, -85.5840, -89.9680



# Inverse Universe

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



32.3860, 14.0730, 14.7850



35.8480, 21.8200, 23.0680



30.3340, 19.8510, 9.1870



26.1250, 1.1460, 1.2580



34.2340, 35.8930, 37.8530

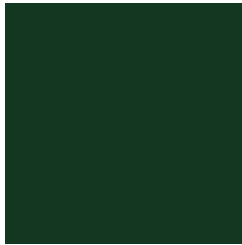


81.4410, 85.5840, 89.9680



# Previews

## White Background



This preview shows how the YIQ color 41.6140, -14.0730, -14.7850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

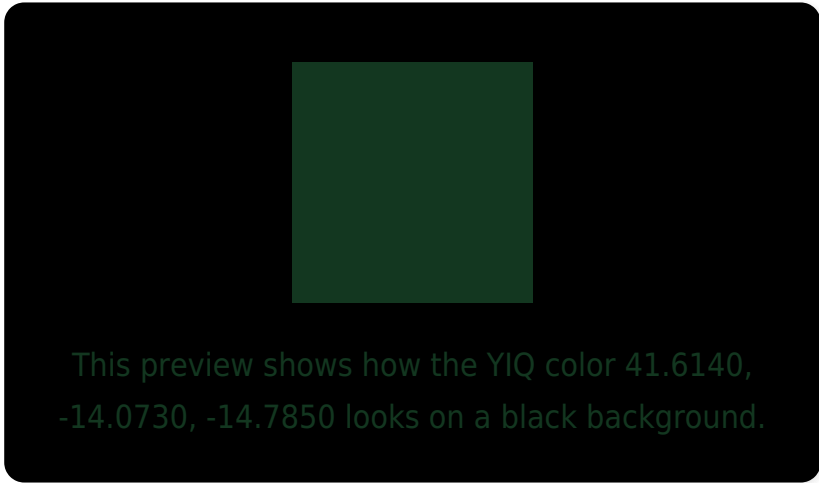
Any Text WCAG AA ✓ Pass

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 41.6140, -14.0730, -14.7850

## Background



This preview shows how black text looks on a background with the YIQ color 41.6140, -14.0730, -14.7850.



This preview shows how white text looks on a background with the YIQ color 41.6140, -14.0730,

-14.7850.

# 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

41.6140, -14.0730, -14.7850

### Protanopia

47.3290, 9.0790, -4.8490

### Deuteranopia

47.9210, 10.4080, -1.4000



## Tritanopia

44.9810, -16.1840, -4.0560

# Trichromacy



## Original Color

41.6140, -14.0730, -14.7850

## Protanomaly

45.6160, 0.7810, -8.6510

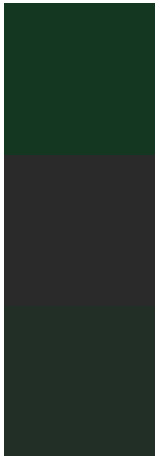
## Deuteranomaly

45.3820, 1.5600, -6.2480

## Tritanomaly

43.6450, -15.3580, -8.0140

# Monochromacy



## Original Color

41.6140, -14.0730, -14.7850

## Achromatopsia

42.0000, -0.0000, -0.0000

## Achromatomaly

42.0870, -4.8590, -5.5550

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 41.6140, -14.0730, -14.7850 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(19, 55, 32)` looks like.

```
.text, #text, p{  
    color:rgb(19, 55, 32)  
}
```

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(19, 55, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 55, 32) }
```

## Border

The CSS property to change the border of an element to YIQ 41.6140, -14.0730, -14.7850 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".

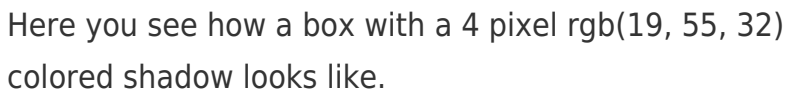
```
.border, #border, table{ border:4px solid rgb(19, 55, 32) }
```



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

```
.border{ border-color:rgb(19, 55, 32) }
```

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



Here you see how a box with a 4 pixel `rgb(19, 55, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 55, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 55, 32);  
box-shadow:4px 4px 4px 4px rgb(19, 55, 32)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 41.6140, -14.0730, -14.7850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 55, 32) }
```

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

```
.background{ background-color: rgb(19, 55,  
32) }
```

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