

# Converting Colors

YIQ(45.6510, -15.4950,  
-11.0390)

Have a look what the booklet for  
YIQ(45.6510, -15.4950, -11.0390)  
contains.

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# Color

**YIQ(45.6510, -15.4950,  
-11.0390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18392C
RGB	24, 57, 44
RGB Percent	9%, 22%, 17%
CMY	0.9060, 0.7764, 0.8275
CMYK	0.58, 0.00, 0.23, 0.78
HSL	156°, 41%, 16%
HSV	156°, 58%, 22%
XYZ	2.2944, 3.3033, 2.8983
YIQ	45.6510, -15.4950, -11.0390

# Conversions

## Conversions Part 2

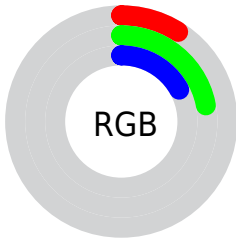
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 45, 57
Decimal	1587500
CIE Lab	21.22, -15.93, 4.46
CIE LCh	21, 16.539, 164.369
Yxy	3.3033, 0.2701, 0.3888
Android (android.graphics.Color)	4279777580 (0xFF18392C)
YUV	45.6510, -0.8139, -18.9879
Hunter-Lab	18.1750, -9.2729, 3.2678




# Details

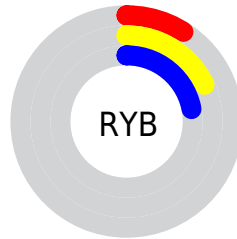
The YIQ color **45.6510, -15.4950, -11.0390** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **35.3490, 15.4950, 11.0390**, and the grayscale version is **46.0000, 0.0000, -0.0000**.




A 20% lighter version of the original color is **92.1240, -15.4490, -11.8730**, and **4.6960, -2.2000, -4.1840** is the 20% darker color. If you saturate the color by 10%, you get **43.6290, -18.4290, -12.9330**, and if you desaturate by 10%, it is **47.6730, -12.5610, -9.1450**.

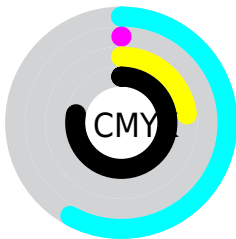
# Distribution







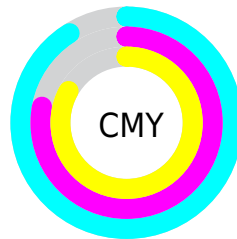
-  Red (9%)
-  Green (22%)
-  Blue (17%)






-  Red (9%)
-  Yellow (18%)
-  Blue (22%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (23%)
-  Black (78%)



-  Cyan (91%)
-  Magenta (78%)
-  Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 45.6510, -15.4950, -11.0390 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 45.6510, -15.4950, -11.0390 by changing the saturation by 10% instead.



■ 45.6510, -15.4950,  
-11.0390

■ 45.6510, -15.4950,  
-11.0390

■ 255.0000, -0.0000,  
-0.0000

■ 23.7650, -15.8160,  
-10.7280

■ 92.1240, -15.4490,  
-11.8730

■ 4.6960, -2.2000,  
-4.1840

■ 117.4120,  
-16.3200, -12.6080

■ 0.0000, 0.0000,  
0.0000

■ 143.2980,  
-15.9990, -12.9190


■ 169.9990,  
-16.5950, -13.1310


■ 196.7000,  
-17.1910, -13.3430


■ 225.2870,


-17.4660, -13.8660


 246.2430,  
-14.1660, -7.5900


 45.6510, -15.4950,  
-11.0390


 45.6510, -15.4950,  
-11.0390


 43.6290, -18.4290,  
-12.9330


 47.6730, -12.5610,  
-9.1450


 41.7920, -20.4460,  
-14.9260


 49.3960, -10.2230,  
-7.4630


 39.7700, -23.3800,  
-16.8200

 51.5320, -7.6100,  
-5.2580

 37.7480, -26.3140,  
-18.7140

 53.5540, -4.6760,  
-3.3640

 37.4490, -26.9100,  
-18.9260

 55.2770, -2.3380,  
-1.6820

■ 57.2990, 0.5960,  
0.2120

■ 59.4350, 3.2090,  
2.4170

■ 61.4570, 6.1430,  
4.3110

■ 63.1800, 8.4810,  
5.9930

# Harmonies

## Analogous

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



48.0070, -1.8780, -10.0220



45.6510, -15.4950, -11.0390



41.7510, -30.3960, -10.8120

# Triad

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



45.6510, -15.4950, -11.0390



50.6430, -11.8760, 5.9800



51.2320, 19.8980, 2.8260

# Complementary

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



45.6510, -15.4950, -11.0390



35.3490, 15.4950, 11.0390

# 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.



52.2090, 18.7050, 7.9290



45.6510, -15.4950, -11.0390



52.6940, 1.2820, 9.8100

# Square

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



45.6510, -15.4950, -11.0390



46.7120, -25.4920, -0.5640



52.4950, 12.1480, 11.1240



50.8030, 16.5520, -2.6160



# Rectangle

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



45.6510, -15.4950, -11.0390



41.0540, -35.6230, -9.6950



52.4950, 12.1480, 11.1240



51.6990, 20.0810, 5.0170

# Sweetspot

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



45.6510, -15.4950, -11.0390



69.5430, -6.1430, -4.3110



47.2580, -1.3270, -14.5030



35.5650, -3.2090, -2.4170



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



45.6510, -15.4950, -11.0390



56.1720, -24.5720, -17.2440



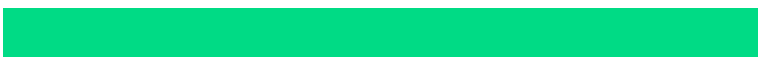
45.3720, -18.8430, -5.4270



26.9890, -1.4670, -0.9470



60.3880, -43.2760, -30.7000



143.7150, -102.9180, -73.1740



# Inverse Universe

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



35.3490, 15.4950, 11.0390



39.9420, 24.2510, 17.5550



35.6280, 18.8430, 5.4270



26.0110, 1.4670, 0.9470



31.6120, 43.2760, 30.7000

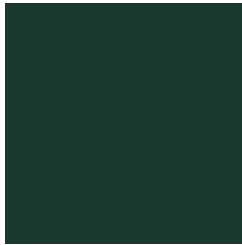


75.2850, 102.9180, 73.1740



# Previews

## White Background



This preview shows how the YIQ color 45.6510, -15.4950, -11.0390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

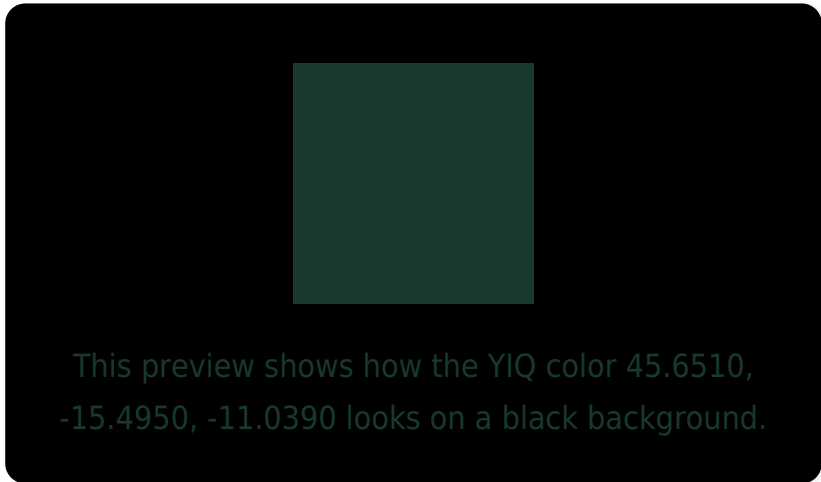
Any Text WCAG AA ✓ Pass

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 45.6510, -15.4950, -11.0390

## Background



This preview shows how black text looks on a background with the YIQ color 45.6510, -15.4950, -11.0390.



This preview shows how white text looks on a background with the YIQ color 45.6510, -15.4950,

-11.0390.

# 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

45.6510, -15.4950, -11.0390

### Protanopia

50.7570, 4.9980, -2.4740

### Deuteranopia

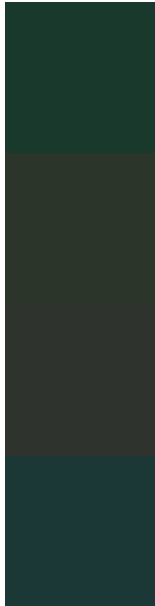
51.3490, 6.3270, 0.9750



## Tritanopia

47.6820, -16.7800, -4.2680

# Trichromacy



## Original Color

45.6510, -15.4950, -11.0390

## Protanomaly

48.7560, -2.4290, -5.5410

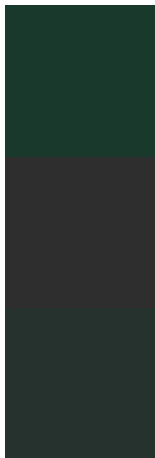
## Deuteranomaly

49.4080, -1.3290, -3.4490

## Tritanomaly

47.1010, -16.6420, -6.7700

# Monochromacy



## Original Color

45.6510, -15.4950, -11.0390

## Achromatopsia

46.0000, 0.0000, -0.0000

## Achromatomaly

45.8420, -5.5470, -4.0990

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 45.6510, -15.4950, -11.0390 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(24, 57, 44)` looks like.

```
.text, #text, p{  
    color:rgb(24, 57, 44)  
}
```

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(24, 57, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 57, 44) }
```

## Border

The CSS property to change the border of an element to YIQ 45.6510, -15.4950, -11.0390 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(24, 57, 44) }
```



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

```
.border{ border-color:rgb(24, 57, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 57, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 57, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 57, 44);  
box-shadow:4px 4px 4px 4px rgb(24, 57, 44)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 45.6510, -15.4950, -11.0390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 57, 44) }
```

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

```
.background{ background-color: rgb(24, 57,  
44) }
```

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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