

# Converting Colors

YIQ(23.3520, -16.0910,  
-11.2510)

Have a look what the booklet for  
YIQ(23.3520, -16.0910, -11.2510)  
contains.

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# Color

**YIQ(23.3520, -16.0910,  
-11.2510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	012316
RGB	1, 35, 22
RGB Percent	0%, 14%, 9%
CMY	0.9962, 0.8627, 0.9138
CMYK	0.97, 0.00, 0.37, 0.86
HSL	157°, 95%, 7%
HSV	157°, 97%, 14%
XYZ	0.7584, 1.2671, 0.9630
YIQ	23.3520, -16.0910, -11.2510

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 22, 35
Decimal	74518
CIE Lab	11.04, -16.53, 5.27
CIE LCh	11, 17.353, 162.333
Yxy	1.2671, 0.2538, 0.4240
Android (android.graphics.Color)	4278264598 (0xFF012316)
YUV	23.3520, -0.6665, -19.6027
Hunter-Lab	11.2565, -7.6730, 2.8074

# Details

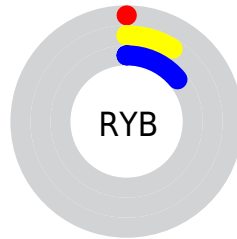
The YIQ color **23.3520, -16.0910, -11.2510** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12.6480, 16.0910, 11.2510**, and the grayscale version is **23.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **68.0100, -15.1280, -12.1840**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **23.0530, -16.6870, -11.4630**, and if you desaturate by 10%, it is **24.3630, -14.6240, -10.3040**.

# Distribution



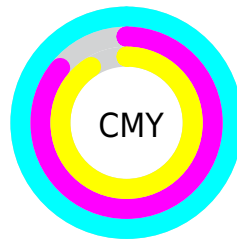
- Red (0%)
- Green (14%)
- Blue (9%)



- Red (0%)
- Yellow (9%)
- Blue (14%)



- Cyan (97%)
- Magenta (0%)
- Yellow (37%)
- Black (86%)



- Cyan (100%)
- Magenta (86%)
- Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 23.3520, -16.0910, -11.2510 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 23.3520, -16.0910, -11.2510 by changing the saturation by 10% instead.



■ 23.3520, -16.0910,  
-11.2510

■ 23.3520, -16.0910,  
-11.2510

■ 245.7160,  
-14.1200, -8.4240

■ 4.1090, -1.9250,  
-3.6610

■ 68.0100, -15.1280,  
-12.1840

■ 0.0000, 0.0000,  
0.0000

■ 91.7110, -15.7240,  
-12.3960


■ 116.2980,  
-15.9990, -12.9190


■ 142.2980,  
-15.9990, -12.9190


■ 168.8850,  
-16.2740, -13.4420


■ 196.1730,


-17.1450, -14.1770


 224.1730,  
-17.1450, -14.1770


 23.3520, -16.0910,  
-11.2510


 23.3520, -16.0910,  
-11.2510


 23.0530, -16.6870,  
-11.4630

 24.3630, -14.6240,  
-10.3040

 25.7870, -12.8820,  
-8.8340

 26.7980, -11.4150,  
-7.8870

 28.1080, -9.3520,  
-6.7280

 29.2330, -8.2060,  
-5.4700

■ 30.5430, -6.1430,  
-4.3110

■ 31.5540, -4.6760,  
-3.3640

■ 32.9780, -2.9340,  
-1.8940

■ 33.9890, -1.4670,  
-0.9470

# Harmonies

## Analogous

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



26.2630, 0.2770, -10.5310



23.3520, -16.0910, -11.2510



25.0080, -20.8140, -8.2540

# Triad

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



23.3520, -16.0910, -11.2510



28.4470, -14.2600, 5.1320



29.2320, 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.



23.3520, -16.0910, -11.2510



12.6480, 16.0910, 11.2510

# 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.



29.5510, 17.7420, 8.8620



23.3520, -16.0910, -11.2510



30.5090, 0.3650, 9.9090

# Square

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



23.3520, -16.0910, -11.2510



25.2990, -25.7670, -1.0870



30.3100, 11.2310, 11.2230



28.1190, 18.4780, -4.4820

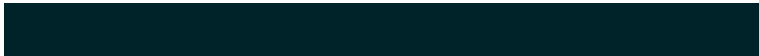


# Rectangle

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



23.3520, -16.0910, -11.2510



25.3330, -23.1070, -5.2430



30.3100, 11.2310, 11.2230



29.5140, 19.1640, 5.1160

# Sweetspot

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



23.3520, -16.0910, -11.2510



41.5430, -6.1430, -4.3110



24.8450, -1.6020, -15.0260



20.2660, -3.8050, -2.6290



150.0000, -0.0000, -0.0000



23.0000, 0.0000, -0.0000



# Same Dimension

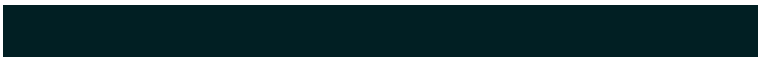
The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3520, -16.0910, -11.2510



30.1940, -21.6380, -15.3500



22.4860, -19.1640, -5.1160



17.2880, -0.8710, -0.7350



53.8340, -38.6000, -27.3360



137.3890, -98.8840, -69.1880



# Inverse Universe

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



12.6480, 16.0910, 11.2510



15.8060, 21.6380, 15.3500



13.5140, 19.1640, 5.1160



16.7120, 0.8710, 0.7350



28.0520, 38.9210, 27.0250

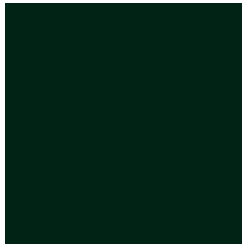


71.6110, 98.8840, 69.1880



# Previews

## White Background



This preview shows how the YIQ color 23.3520, -16.0910, -11.2510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

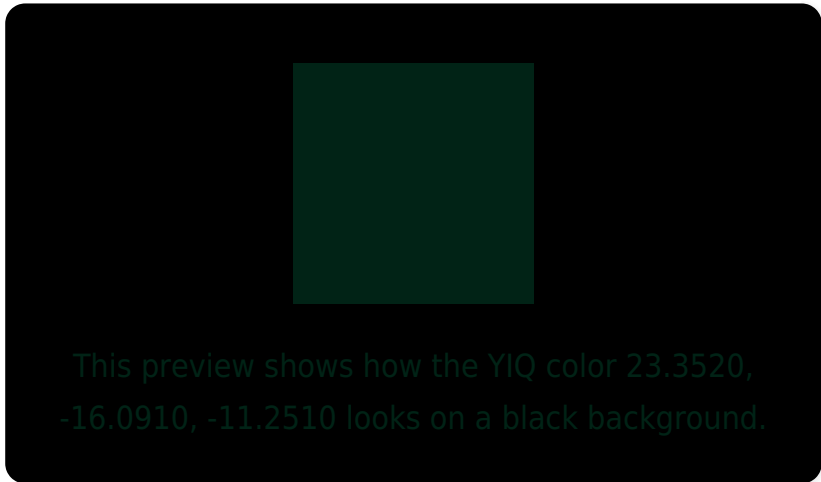
Any Text WCAG AA ✓ Pass

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

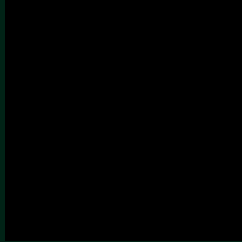
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 23.3520, -16.0910, -11.2510

## Background



This preview shows how black text looks on a background with the YIQ color 23.3520, -16.0910, -11.2510.



This preview shows how white text looks on a background with the YIQ color 23.3520, -16.0910,

-11.2510.

# 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

23.3520, -16.0910, -11.2510

### Protanopia

29.7570, 4.9980, -2.4740

### Deuteranopia

30.4090, 6.0980, -0.3820



## Tritanopia

27.0630, -13.4790, -3.5190

# Trichromacy



## Original Color

23.3520, -16.0910, -11.2510

## Protanomaly

27.4570, -3.0250, -5.7530

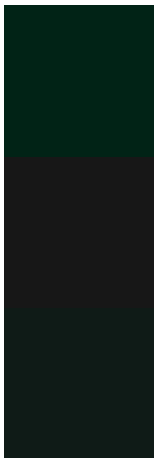
## Deuteranomaly

27.6960, -2.2000, -4.1840

## Tritanomaly

25.8840, -14.5330, -6.4450

# Monochromacy



## Original Color

23.3520, -16.0910, -11.2510

## Achromatopsia

23.0000, 0.0000, -0.0000

## Achromatomaly

22.9560, -5.8680, -3.7880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 23.3520, -16.0910, -11.2510 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(1, 35, 22)` looks like.

```
.text, #text, p{  
    color:rgb(1, 35, 22)  
}
```

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(1, 35, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 35, 22) }
```

## Border

The CSS property to change the border of an element to YIQ 23.3520, -16.0910, -11.2510 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(1, 35, 22) }
```



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

```
.border{ border-color:rgb(1, 35, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 35, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 35, 22); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 35, 22); box-shadow:4px  
4px 4px 4px rgb(1, 35, 22) }
```

# Background

The CSS property to change the background color of an element to YIQ 23.3520, -16.0910, -11.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 35, 22) }
```

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

```
.background{ background-color: rgb(1, 35,  
22) }
```

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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