

# Converting Colors

YIQ(42.6510, -7.4680, -29.8680)

Have a look what the booklet for  
YIQ(42.6510, -7.4680, -29.8680)  
contains.

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# Color

**YIQ(42.6510, -7.4680,  
-29.8680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	114000
RGB	17, 64, 0
RGB Percent	7%, 25%, 0%
CMY	0.9335, 0.7489, 1.0000
CMYK	0.74, 0.00, 1.00, 0.75
HSL	104°, 100%, 13%
HSV	104°, 100%, 25%
XYZ	2.0650, 3.7878, 0.6224
YIQ	42.6510, -7.4680, -29.8680

# Conversions

## Conversions Part 2

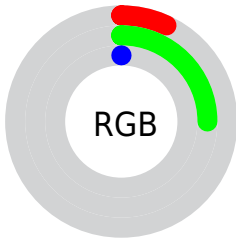
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 64, 47</a>
Decimal	<a href="#">1130496</a>
CIELab	<a href="#">22.96, -28.40, 30.68</a>
CIELCh	<a href="#">23, 41.806, 132.792</a>
Yxy	<a href="#">3.7878, 0.3189, 0.5850</a>
Android (android.graphics.Color)	<a href="#">4279320576 (0xFF114000)</a>
YUV	<a href="#">42.6510, -21.0269, -22.4959</a>
Hunter-Lab	<a href="#">19.4623, -15.1198, 11.7275</a>

# Details

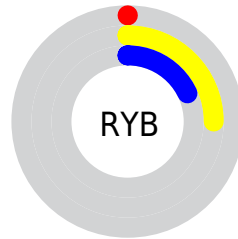
The YIQ color **42.6510, -7.4680, -29.8680** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **21.3490, 7.4680, 29.8680**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.5480, -5.6800, -29.2320**, and **10.5660, -4.9500, -9.4140** is the 20% darker color. If you saturate the color by 10%, you get **42.6510, -7.4680, -29.8680**, and if you desaturate by 10%, it is **44.8300, -6.4140, -26.9420**.

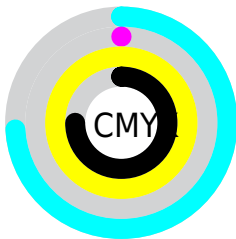
# Distribution



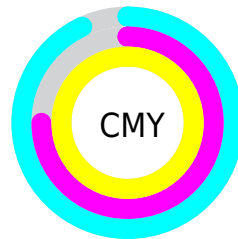
- Red (7%)
- Green (25%)
- Blue (0%)



- Red (0%)
- Yellow (25%)
- Blue (18%)



- Cyan (74%)
- Magenta (0%)
- Yellow (100%)
- Black (75%)



- Cyan (93%)
- Magenta (75%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 42.6510, -7.4680, -29.8680 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 42.6510, -7.4680, -29.8680 by changing the saturation by 10% instead.



42.6510, -7.4680,  
-29.8680

42.6510, -7.4680,  
-29.8680

252.1500, 8.0250,  
-7.7750

24.6540, -11.5500,  
-21.9660

91.5480, -5.6800,  
-29.2320

10.5660, -4.9500,  
-9.4140

117.0210, -5.6340,  
-30.0660

0.0000, 0.0000,  
0.0000

143.3800, -5.2670,  
-31.2110

169.8530, -5.2210,  
-32.0450

197.4400, -5.4960,  
-32.5680

225.7990, -5.1290,

-33.7130

■ 241.1840, 1.5170,  
-21.9950

■ 42.6510, -7.4680,  
-29.8680

■ 44.8300, -6.4140,  
-26.9420

■ 46.8240, -6.2770,  
-23.9170

■ 49.0030, -5.2230,  
-20.9910

■ 51.2960, -4.4900,  
-17.7540

■ 53.1760, -4.0320,  
-15.0400

■ 55.3550, -2.9780,  
-12.1140

■ 57.6480, -2.2450,  
-8.8770

■ 59.8270, -1.1910,  
-5.9510

■ 61.8210, -1.0540,  
-2.9260

# Harmonies

## Analogous

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



50.7900, 17.4260, -18.4620



42.6510, -7.4680, -29.8680



43.3190, -29.6600, -24.1560

# Triad

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



42.6510, -7.4680, -29.8680



50.0910, -54.2400, 2.8160



46.8850, 46.7610, 28.1130

# Complementary

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



42.6510, -7.4680, -29.8680



21.3490, 7.4680, 29.8680

# 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.



50.9620, 30.6670, 33.4430



42.6510, -7.4680, -29.8680



44.9220, -52.0860, 7.8340

# Square

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



42.6510, -7.4680, -29.8680



50.3870, -49.5620, -4.8740



55.9350, -0.2340, 26.2780



49.8780, 47.4980, 9.2420



# Rectangle

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



42.6510, -7.4680, -29.8680



46.4140, -36.9970, -17.8370



55.9350, -0.2340, 26.2780



47.1390, 43.2300, 31.5340

# Sweetspot

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



42.6510, -7.4680, -29.8680



75.7680, -2.7030, -11.5910



46.7250, 25.2190, -11.0130



38.0010, -1.7410, -6.9970



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000



# Same Dimension

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



42.6510, -7.4680, -29.8680



55.8860, -9.9880, -39.2680



39.2780, -22.4150, -28.8070



32.0600, -0.2290, -1.3570



64.7130, -11.1790, -45.2190



149.1290, -26.4360, -104.6440



# Inverse Universe

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



21.3490, 7.4680, 29.8680



28.1140, 9.9880, 39.2680



24.7220, 22.4150, 28.8070



30.9400, 0.2290, 1.3570



32.2870, 11.1790, 45.2190

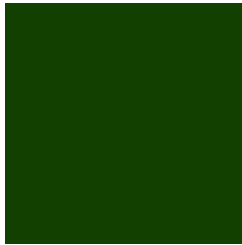


74.8710, 26.4360, 104.6440



# Previews

## White Background



This preview shows how the YIQ color 42.6510, -7.4680, -29.8680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

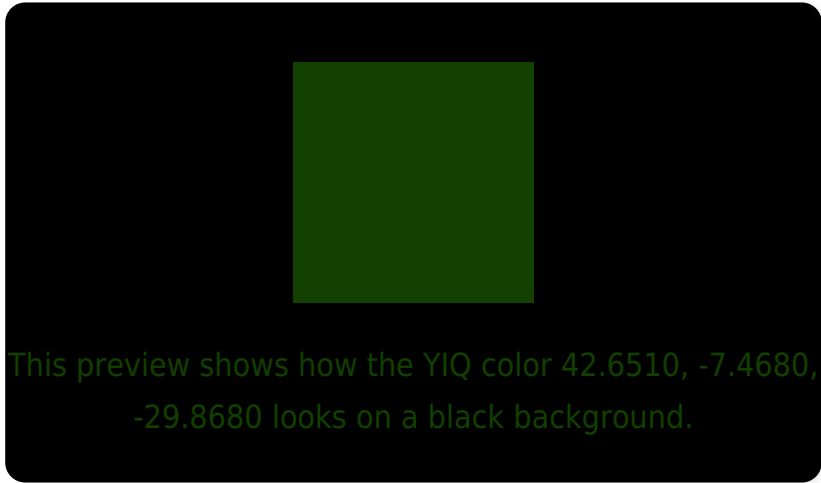
Any Text WCAG AA ✓ Pass

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

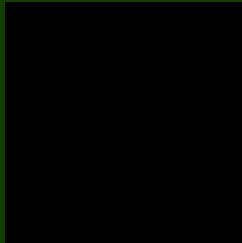
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 42.6510, -7.4680, -29.8680**

## **Background**



This preview shows how black text looks on a background with the YIQ color 42.6510, -7.4680, -29.8680.



This preview shows how white text looks on a background with the YIQ color 42.6510, -7.4680, -29.8680.

-29.8680.

# 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

42.6510, -7.4680, -29.8680

### Protanopia

50.8230, 21.8270, -15.6210

### Deuteranopia

52.7510, 22.3300, -8.2140



**Tritanopia**

51.7850, -18.5680, -4.9040

# Trichromacy



## Original Color

42.6510, -7.4680, -29.8680

## Protanomaly

47.8000, 11.4660, -20.5820

## Deuteranomaly

48.8480, 11.5110, -15.8890

## Tritanomaly

48.2550, -14.4400, -13.6400

# Monochromacy



## Original Color

42.6510, -7.4680, -29.8680

## Achromatopsia

43.0000, -0.0000, -0.0000

## Achromatomaly

43.1810, -2.4280, -11.0680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 42.6510, -7.4680, -29.8680 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(17, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(17, 64, 0)  
}
```

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(17, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 64, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 42.6510, -7.4680, -29.8680 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(17, 64, 0) }
```



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

```
.border{ border-color:rgb(17, 64, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 64, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 64, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(17, 64, 0); box-shadow:4px  
4px 4px 4px rgb(17, 64, 0) }
```

# Background

The CSS property to change the background color of an element to YIQ 42.6510, -7.4680, -29.8680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 64, 0) }
```

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

```
.background{ background-color: rgb(17, 64,  
0) }
```

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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